### - DEPARTMENT OF THE AIR FORCE







# FY 1995 BUDGET ESTIMATES

**MILITARY CONSTRUCTION AND FAMILY HOUSING** 

JUSTIFICATION DATA SUBMITTED TO CONGRESS FEBRUARY 1994

DISTRIBUTION STATEMENT A

Approved for public releases
Matribellan Velkeled

OUTSIDE THE UNITED STATES

VARIOUS WORLDWIDE

FAMILY HOUSING

DTIC QUALITY INSPECTED 1

94 3 24 030

### TABLE OF CONTENTS FY 1995

<u>General</u>	PAGE NUMBER
Table of Contents	A
Program Summary	В
State List (List of Projects)	С
New Mission/Current Mission Exhibit	D
Military Construction	
Installation Index	E-1
Special Program Considerations	
Statements	F-1
Congressional Reporting Requirements	F-2
Third Party Financing	F-3
Non-MILCON Construction	
Research and Development	F-4
Budget Data:	
Appropriation Language	G-1
Program and Financing Schedule	G-2
Object Classification Schedule	G-3
Projects Inside the United States	1
Projects Outside the United States	252
Planning and Design	288
Unspecified Minor Construction	290
Projects \$1,000,000 and Under	292
Defense Business Operations Funds (DBOF)	306
Family Housing	310



### DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1995

	PROJECT AUTH	AUTH FOR APPROP	APPROP
MILITARY CONSTRUCTION	(SEC 2301)	(SEC 2304)	
Inside the United States	244,254(1)	248,254 <sup>(1)</sup>	242,654 <sup>(1)</sup>
Eglin Climatic Test Chamber, PH	3 (2)	20,000	20,000
Pope Bridges, Road and Utilities	(3)	4,000	4,000
Outside the United States	38,273	38,273	38,273
Planning and Design	10 USC 2807	49,386	49,386
Unspecified Minor Construction	10 USC 2805	7,000	7,000
TOTAL MILITARY CONSTRUCTION	338,913	362,913	357,313
MILITARY FAMILY HOUSING	(Sec 2302/2303)	(Sec 2304)	
New Construction Improvements	151,948 61,770	181,948 61,770	181,948 61,770
Planning and Design	9.275	9.275	9.275
Subtotal	222,993	252,993	252,993
Operations, Utilities, and Maintenance		688,562	688,562
Leasing		112,757	112,757
Debt Payment		26	26
Subtotal	222,993	801,345	801,345
TOTAL MILITARY FAMILY HOUSING	222,993	1,054,338	1,054,338
GRAND TOTAL AIR FORCE	561,906	1,417,251	1,411,651

<sup>(1)</sup> Two Tyndall projects (Base Supply/Equipment Warehouse, \$3.2M; Security Police Operations, \$2.4M) were appropriated but not authorized in FY 1994. Project authorization and authorization for appropriation in the amount of \$5.6M is requested in FY 1995 for these two projects. Appropriation is not requested in FY 1995.

<sup>(2)</sup> Project authorization provided in FY 1994, but \$20 million requires authorization for appropriation and appropriation.

<sup>(3)</sup> Project authorization provided in FY 1993; \$4 million requires authorization for appropriation and appropriation.

STATE/COUNTRY INSTALLATION	<u>PROJECT</u>	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	<u>PAGE</u>
ALABAMA MAXWELL AFB					
ST	UDENT DORMITORIES	9,600	9,600	9,600	2
	MAXWELL AFB TOTAL:	9,600	9,600	<u>9,600</u>	
	ALABAMA TOTAL:	<u>9,600</u>	9,600	<u>9,600</u>	
ALASKA CAPE LISBURNE	LRRS				
UN	DERGROUND FUEL STORAGE TANKS	2,800	2,800	2,800	6
CAP	E LISBURNE LRRS TOTAL:	<u>2,800</u>	2,800	2,800	
	ALASKA TOTAL:	<u>2,800</u>	2,800	2,800	
CALIFORNIA BEALE AFB					
UP( FA(	GRADE STORM DRAINAGE CILITIES	1,450	1,450	1,450	10
	BEALE AFB TOTAL:	<u>1,450</u>	1,450	1,450	
EDWARDS AFB					
UPO	GRADE HYDRANT FUELING SYSTEM	2,500	2,500	2,500	14
F-22 TES	2 ALTER ENGINEERING ST FACILITY	4,550	4,550	4,550	17
	EDWARDS AFB TOTAL:	<u>7,050</u>	7,050	7,050	
TRAVIS AFB					
FIR	E TRAINING FACILITY	1,300	1,300	1,300	21
DOI	RMITORY	2,300	2,300	2,300	24
	TRAVIS AFB TOTAL:	<u>3,600</u>	3,600	3,600	
VANDENBERG AF	TB				
FIR	E TRAINING FACILITY	1,550	1,550	1,550	28
	I-UPGRADE NATURAL GAS IRIBUTION SYSTEM	5,000	5,000	5,000	31
<u>v</u> .	ANDENBERG AFB TOTAL:	<u>6,550</u>	6,550	6,550	
	CALIFORNIA TOTAL:	<u>18,650</u>	18,650	18,650	

STATE/COUNTRY INSTALLATION PROJECT	PROJECT AUTH	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
CLASSIFIED CLASSIFIED LOCATION				
SPECIAL TACTICAL UNIT DETACHMENT FACILITY	2,141	2,141	2,141	35
CLASSIFIED LOCATION TOTAL:	2,141	2,141	<u>2,141</u>	
CLASSIFIED TOTAL:	<u>2,141</u>	<u>2,141</u>	2,141	
COLORADO PETERSON AFB				
UNDERGROUND FUEL STORAGE TANKS	1,750	1,750	1,750	37
PETERSON AFB TOTAL:	<u>1,750</u>	<u>1,750</u>	<u>1,750</u>	
COLORADO TOTAL:	<u>1,750</u>	1.750	<u>1,750</u>	
DELAWARE DOVER AFB				
DORMITORY	4,600	4,600	4,600	41
DOVER AFB TOTAL:	4,600	4,600	4,600	
DELAWARE TOTAL:	<u>4,600</u>	<u>4,600</u>	4,600	
FLORIDA CAPE CANAVERAL AFS				
CORROSION CONTROL FACILITY	1,700	1,700	1,700	45
DELTA LAUNCH OPERATIONS FACILITY	7,000	7,000	7,000	48
SLFI-UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	1,750	1,750	1,750	51
CAPE CANAVERAL AFS TOTAL:	10,450	10,450	10,450	
EGLIN AFB				
RENOVATE CLIMATIC TEST CHAMBER PHASE III	0	20,000	20,000	55
EGLIN AFB TOTAL:	ō	20,000	20,000	
TYNDALL AFB				
SECURITY POLICE OPERATIONS	2,400	2,400	0	59
ADD TO BASE SUPPLY/EQUIPMENT WAREHOUSE	3,200	3,200	0	62

Page No. Z-İ

STATE/COUNTRY INSTALLAT		PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
	TYNDALL AFB TOTAL:	<u>5,600</u>	5,600	<u>o</u>	
	FLORIDA TOTAL:	<u>16,050</u>	<u>36,050</u>	30,450	
GEORGIA MOODY AFB	3				
	UPGRADE AIRFIELD PAVEMENTS	8,000	8,000	8,000	66
	DORMITORY	3,800	3,800	3,800	69
	MOODY AFB TOTAL:	11,800	11,800	11,800	
ROBINS AFB					
	JSTARS ADD TO INTEGRATED SUPPORT FACILITY	3,100	3,100	3,100	73
	JSTARS DORMITORY	5,525	5,525	5,525	76
	JSTARS EXPANDED FLIGHT KITCHEN	1,850	1,850	1,850	79
	JSTARS UTILITIES/ MISCELLANEOUS SUPPORT	3,825	3,825	3,825	82
	UPGRADE STORM DRAINAGE SYSTEM	2,200	2,200	2,200	85
	<b>ROBINS AFB TOTAL:</b>	<u>16,500</u>	<u>16,500</u>	<u>16,500</u>	
	<b>GEORGIA TOTAL:</b>	28,300	28,300	28,300	
IDAHO MT HOME A	FB				
	DORMITORY	4,950	4,950	4,950	89
	MT HOME AFB TOTAL:	4,950	<u>4,950</u>	4,950	
	<b>IDAHO TOTAL:</b>	<u>4,950</u>	4,950	<u>4,950</u>	
ILLINOIS SCOTT AFB					
	UNDERGROUND FUEL STORAGE TANKS	2,700	2,700	2,700	93
	SCOTT AFB TOTAL:	2,700	<u>2,700</u>	<u>2,700</u>	
	ILLINOIS TOTAL:	<u>2,700</u>	<u>2,700</u>	<u>2,700</u>	

STATE/COUNTR INSTALLA		PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
KANSAS MCCONNEL	LAFB				
	UPGRADE STORM DRAINAGE FACILITIES	500	500	500	293
	MCCONNELL AFB TOTAL:	<u>500</u>	<u>500</u>	<u>500</u>	
	KANSAS TOTAL:	<u>500</u>	<u>500</u>	<u>500</u>	
LOUISIANA BARKSDALI	E AFB				
	UPGRADE STORM DRAINAGE FACILITIES	1,500	1,500	1,500	98
	BARKSDALE AFB TOTAL:	<u>1,500</u>	1,500	1,500	
	LOUISIANA TOTAL:	<u>1,500</u>	1,500	<u>1,500</u>	
MARYLAND ANDREWS A	FB				
	DORMITORY	6,300	6,300	6,300	102
	ANDREWS AFB TOTAL:	<u>6,300</u>	<u>6,300</u>	<u>6,300</u>	
	MARYLAND TOTAL:	<u>6,300</u>	<u>6,300</u>	<u>6,300</u>	
MISSISSIPPI KEESLER AI	FB				
	7-LEVEL TRAINING CLASSROOMS	1,800	1,800	1,800	106
	7-LEVEL TRAINING DORMITORY	8,800	8,800	8,800	109
	UPGRADE FIRE SUPPRESSION SYSTEM	640	640	640	295
	KEESLER AFB TOTAL:	<u>11,240</u>	11,240	11,240	
	MISSISSIPPI TOTAL:	<u>11,240</u>	11,240	11,240	
MISSOURI WHITEMAN	AFB				
	B-2 ADD TO AND ALTER AIRCRAFT APRON, TAXIWAY & CONVOY ROADS	4,600	4,600	4,600	113
	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	15,000	15,000	15,000	115
	UPGRADE STORM DRAINAGE FACILITIES	1,290	1,290	1,290	118

Page No.  $\mathcal{L}-3$ 

### DEPARTMENT OF THE AIR FORCE

### INDEX MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1995 (DOLLARS IN THOUSANDS) INSIDE THE UNITED STATES

STATE/COUNTR INSTALLA		PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
	B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION SYSTEMS	3,400	3,400	3,400	121
	WHITEMAN AFB TOTAL:	24,290	24,290	24,290	
	MISSOURI TOTAL:	<u>24,290</u>	<u>24,290</u>	<u>24,290</u>	
MONTANA MALMSTRO	PM AFB				
	UNDERGROUND FUEL STORAGE TANKS	3,200	3,200	3,200	125
	UNDERGROUND FUEL STORAGE TANKS MINUTEMAN III FACILITIES	4,000	4,000	4,000	128
	MALMSTROM AFB TOTAL:	<u>7,200</u>	7,200	7,200	
	MONTANA TOTAL:	<u>7,200</u>	<u>7,200</u>	7,200	
NEBRASKA OFFUTT AF	В				
	UNDERGROUND FUEL STORAGE TANKS	760	760	760	297
	UPGRADE STORM DRAINAGE FACILITIES	1,500	1,500	1,500	132
	OFFUTT AFB TOTAL:	<u>2,260</u>	<u>2,260</u>	2,260	
	NEBRASKA TOTAL:	<u>2,260</u>	<u>2,260</u>	2,260	
NEW JERSEY MCGUIRE A	FB				
	DORMITORY	8,700	8,700	8,700	136
	DORMITORY	1,600	1,600	1,600	139
	UPGRADE SANITARY SEWER SYSTEM	4,800	4,800	4,800	142
	UPGRADE STORM DRAINAGE FACILITIES	1,900	1,900	1,900	145
	MCGUIRE AFB TOTAL:	<u>17,000</u>	<u>17,000</u>	<u>17,000</u>	
	NEW JERSEY TOTAL:	<u>17,000</u>	<u>17,000</u>	<u>17,000</u>	
NEW MEXICO HOLLOMAN	AFB				
	DORMITORY	3,950	3,950	3,950	149
	HOLLOMAN AFB TOTAL:	<u>3.950</u>	<u>3.950</u>	<u>3,950</u>	

Page No. **2-**4

STATE/COUNTRY INSTALLAT KIRTLAND	TION PROJECT	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
	UNDERGROUND FUEL STORAGE TANKS	3,200	3,200	3,200	153
	KIRTLAND AFB TOTAL:	<u>3,200</u>	<u>3,200</u>	<u>3,200</u>	
	<b>NEW MEXICO TOTAL:</b>	<u>7.150</u>	<u>7,150</u>	<u>7.150</u>	
NORTH CAROLI POPE AFB	NA				
	AIRCRAFT PARKING APRON LIGHTING	1,500	1,500	1,500	157
	FIRE TRAINING FACILITY	1,100	1,100	1,100	160
	BRIDGE, ROAD AND UTILITIES	0	4,000	4,000	163
	POPE AFB TOTAL:	<u>2,600</u>	<u>6,600</u>	<u>6,600</u>	
	NORTH CAROLINA TOTAL:	<u>2,600</u>	6,600	6,600	
NORTH DAKOTA GRAND FORKS AFB					
	UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	5,200	5,200	5,200	167
	GRAND FORKS AFB TOTAL:	<u>5,200</u>	5,200	<u>5,200</u>	
MINOT AFB					
	UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	2,950	2,950	2,950	171
	UNDERGROUND FUEL STORAGE TANKS	1,400	1,400	1,400	174
	UPGRADE STORM DRAINAGE FACILITIES	1,500	1,500	1,500	177
	MINOT AFB TOTAL:	<u>5,850</u>	<u>5,850</u>	<u>5,850</u>	
	NORTH DAKOTA TOTAL:	<u>11,050</u>	11,050	11,050	
OHIO WRIGHT-PA	TTERSON AFB				
	UPGRADE STORM DRAINAGE SYSTEM	3,350	3,350	3,350	181
<u>wri</u>	GHT-PATTERSON AFB TOTAL:	<u>3,350</u>	3,350	<u>3,350</u>	
	OHIO TOTAL:	<u>3,350</u>	<u>3,350</u>	3,350	

STATE/COUNTRY INSTALLATION	PROJECT	PROJECT <u>AUTH</u>	AUTH FOR APPROP	APPROP AMOUNT	PAGE
OKLAHOMA ALTUS AFB					
ADD TO	AND ALTER DORMITORY	3,750	3,750	3,750	185
	ALTUS AFB TOTAL:	<u>3,750</u>	<u>3,750</u>	<u>3,750</u>	
TINKER AFB					
ALTER CORRO	VENTILATION SYSTEM, SION CONTROL FAC (DBOF)	8,400	8,400	8,400	189
UPGRA	DE STORM DRAINAGE SYSTEM	1,243	1,243	1,243	192
	TINKER AFB TOTAL:	<u>9,643</u>	<u>9,643</u>	<u>9,643</u>	
VANCE AFB					
FIRE TE	RAINING FACILITY	980	980	980	299
ALTER	DORMITORIES	2,300	2,300	2,300	196
UPGRA	DE SANITARY SEWER SYSTEM	1,100	1,100	1,100	199
UPGRA	DE STORM DRAINAGE SYSTEM	1,800	1,800	1,800	202
	VANCE AFB TOTAL:	<u>6,180</u>	<u>6,180</u>	<u>6,180</u>	
	OKLAHOMA TOTAL:	<u>19,573</u>	<u>19,573</u>	<u>19,573</u>	
SOUTH CAROLINA CHARLESTON AFB					
	DE HAZARDOUS WASTE GE FACILITY	1,500	1,500	1,500	206
ALTER	DORMITORIES	9,900	9,900	9,900	209
CHAI	RLESTON AFB TOTAL:	<u>11,400</u>	<u>11,400</u>	11,400	
SOUT	TH CAROLINA TOTAL:	<u>11,400</u>	11,400	11,400	
SOUTH DAKOTA ELLSWORTH AFB					
UPGRAI FACILI	DE STORM DRAINAGE FIES	1,450	1,450	1,450	213
ELL	SWORTH AFB TOTAL:	<u>1,450</u>	1.450	1,450	
<u>so</u>	UTH DAKOTA TOTAL:	<u>1,450</u>	<u>1.450</u>	<u>1,450</u>	

STATE/COUNTRY INSTALLATION	PROJECT	PROJECT AUTH	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
TENNESSEE ARNOLD AFB					
	ARDOUS WASTE/MATERIAL RAGE FACILITY	1,900	1,900	1,900	217
	ARNOLD AFB TOTAL:	<u>1,900</u>	1.900	1,900	
	TENNESSEE TOTAL:	1,900	1,900	<u>1,900</u>	
TEXAS KELLY AFB					
	RADE HYDRANT FUELING TEMS	3,700	3,700	3,700	221
ADD	TO AND ALTER DORMITORY	2,250	2,250	2,250	224
UPG	RADE SANITARY SEWER LINES	3,000	3,000	3,000	227
	KELLY AFB TOTAL:	<u>8,950</u>	<u>8,950</u>	<u>8,950</u>	
LACKLAND AFB					
7-LE	VEL TRAINING CLASSROOMS	1,800	1,800	1,800	231
ALT	ER RECRUIT DORMITORY	3,400	3,400	3,400	234
	LACKLAND AFB TOTAL:	<u>5,200</u>	5,200	<u>5,200</u>	
SHEPPARD AFB					
7-LE	VEL TRAINING CLASSROOMS	3,300	3,300	3,300	238
	SHEPPARD AFB TOTAL:	3,300	3,300	<u>3,300</u>	
	TEXAS TOTAL:	<u>17,450</u>	<u>17,450</u>	<u>17,450</u>	
WASHINGTON FAIRCHILD AFB					
	ARDOUS MATERIAL STORAGE	1,400	1,400	1,400	242
	RADE STORM DRAINAGE ILITIES	2,450	2,450	2,450	245
	FAIRCHILD AFB TOTAL:	<u>3,850</u>	<u>3,850</u>	<u>3,850</u>	
	WASHINGTON TOTAL:	3,850	3,850	<u>3,850</u>	

Page No.  $\mathcal{L}$ -7

STATE/COUNTRY INSTALLATION	PROJECT	PROJECT AUTH	AUTH FOR APPROP	APPROP AMOUNT	PAGE
WYOMING F E WARREN AFB					
UNDERGROI MISSILE FAC	IND FUEL STORAGE TANKS	2,650	2,650	2,650	249
<u>F E WAR</u>	REN AFB TOTAL:	<u>2,650</u>	2,650	2,650	
<u>w</u>	YOMING TOTAL:	<u>2,650</u>	2.650	<u>2,650</u>	
INSIDE THE UNITED	STATES TOTAL:	244,254	268,254	262,654	

STATE/COUN INSTAL		PROJECT	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
AZORES, POR LAJES FII						
	REFUSI	E INCINERATOR	2,850	2,850	2,850	253
		LAJES FIELD TOTAL:	<u>2,850</u>	<u>2,850</u>	2.850	
	AZORE	S. PORTUGAL TOTAL:	<u>2,850</u>	2.850	<u>2,850</u>	
CLASSIFIED CLASSIFI	ED LOCATI	ON				
		EADINESS MATERIEL ENANCE/MANAGEMENT FAC	1,300	1,300	1,300	257
		EADINESS MATERIEL AL STORAGE FACILITY	2,100	2,100	2,100	260
		EADINESS MATERIEL OPEN GE FACILITY	650	650	650	301
	CLASSIFII	ED LOCATION TOTAL:	<u>4.050</u>	<u>4,050</u>	4,050	
		CLASSIFIED TOTAL:	<u>4,050</u>	<u>4,050</u>	<u>4,050</u>	
GERMANY RAMSTEL	N AB					
	HAZAR FACILI	DOUS MATERIAL STORAGE IY	1,150	1,150	1,150	264
	UPGRAI COLLE	DE SEWAGE AND STORM WATER CTION SYSTEMS	11,200	11,200	11,200	267
	1	RAMSTEIN AB TOTAL:	12,350	12,350	<u>12,350</u>	
SPANGDA	HLEM AB					
	CHILD I	DEVELOPMENT CENTER	2,273	2,273	2,273	271
		DE SEWAGE AND STORM WATER CTION SYSTEMS	7,200	7,200	7,200	274
	SPANO	GDAHLEM AB TOTAL:	<u>9.473</u>	<u>9,473</u>	<u>9,473</u>	
		GERMANY TOTAL:	<u>21,823</u>	<u>21,823</u>	21,823	
GREENLAND THULE AE	3					
	FIRE TR	AINING FACILITY	2,450	2,450	2,450	278
		THULE AB TOTAL:	<u>2,450</u>	<u>2,450</u>	<u>2,450</u>	

Page No. C-9

STATE/COUNTRY INSTALLATION PROJECT GREENLAND TOTAL:	PROJECT AUTH 2.450	AUTH FOR <u>APPROP</u> 2,450	APPROP AMOUNT 2,450	PAGE
UNITED KINGDOM RAF LAKENHEATH				
F-15E ADD TO MUNITIONS MAINTENANCE FACILITY	850	850	850	303
ADD TO AND ALTER DORMITORY	3,700	3,700	3,700	282
UPGRADE STORM DRAINAGE SYSTEM	2,550	2,550	2,550	285
RAF LAKENHEATH TOTAL:	<u>7,100</u>	7,100	7,100	
UNITED KINGDOM TOTAL:	<u>7.100</u>	<u>7,100</u>	7,100	
OUTSIDE THE UNITED STATES " JTAL:	<u>38,273</u>	<u>38,273</u>	38,273	

## DEPARTMENT OF THE AIR FORCE INDEX MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1995 (DOLLARS IN THOUSANDS) WORLDWIDE

STATE/COUNTRY INSTALLATION	PROJECT	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
VARIOUS VARIOUS LOCATIONS	5				
PLANNI	NG AND DESIGN	49,386	49,386	49,386	289
UNSPEC	IFIED MINOR CONSTRUCTION	7,000	7,000	7,000	291
VARIOUS	LOCATIONS TOTAL:	<u>56,386</u>	<u>56,386</u>	56,386	
	VARIOUS TOTAL:	<u>56,386</u>	<u>56,386</u>	<u>56,386</u>	
2	WORLDWIDE TOTAL:	<u>56,386</u>	<u>56,386</u>	<u>56,386</u>	
	FY 95 TOTAL:	<u>338,913</u>	<u>362,913</u>	<u>357,313</u>	

### DEFINITIONS OF NEW AND CURRENT MISSION

NEW MISSION PROJECTS - These projects support the deployment and beddown of new weapons systems, new or additional aircraft, missile, and space programs and support of new equipment such as radars, communications, computers, satellite tracking and electronic security. New mission projects all support new programs and initiatives that do not revitalize the existing physical plant. The projects support new and additional requirements. Planning and design and minor construction are also included in this category.

CURRENT MISSION PROJECTS - These projects revitalize the existing facility plant by replacement or upgrading existing facilities and by alleviating long standing deficiencies not generated by new missions or equipment. Included are projects to improve the quality of life, upgrade the workplace and projects to increase productivity and achieve compliance with environmental, health and safety standards.

<u>FY 95</u>	<u>(\$000)</u>
NEW MISSION	\$142,817
CURRENT MISSION	\$214,496
TOTAL	\$357,313

STATE/COUNTRY INSTALLATION PROJECT	APPROP AMOUNT	ТҮРЕ
ALABAMA		
MAXWELL AFB		
STUDENT DORMITORIES	9,600	СМ
MAXWELL AFB TOTAL:	<u>9,600</u>	
ALABAMA TOTAL:	9,600	
ALASKA		
CAPE LISBURNE LRRS		
UNDERGROUND FUEL STORAGE T	ANKS 2,800	CME
CAPE LISBURNE LRRS TOTAL:	<u>2,800</u>	
ALASKA TOTAL:	<u>2,800</u>	
CALIFORNIA		
BEALE AFB		
UPGRADE STORM DRAINAGE FACILITIES	1,450	CME
BEALE AFB TOTAL:	<u>1.450</u>	
EDWARDS AFB		
UPGRADE HYDRANT FUELING SYS	STEM 2,500	CME
F-22 ALTER ENGINEERING TEST FACILITY	4,550	NM
EDWARDS AFB TOTAL:	<u>7,050</u>	
TRAVIS AFB		
FIRE TRAINING FACILITY	1,300	CME
DORMITORY	2,300	NM
TRAVIS AFB TOTAL:	<u>3,600</u>	
VANDENBERG AFB		
FIRE TRAINING FACILITY	1,550	СМЕ

Legend:

CM - Current Mission
CME - Current Mission Environmental
NM - New Mission

Page No. D-1

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	SLFI-UPGRADE NATURAL GAS DISTRIBUTION SYSTEM	5,000	СМ
	VANDENBERG AFB TOTAL:	<u>6,550</u>	
	CALIFORNIA TOTAL:	<u>18,650</u>	
CLASSIFIED			
CLASSIFIED LOC	CATION		
	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	2,141	NM
<u>CL.</u>	ASSIFIED LOCATION TOTAL:	<u>2,141</u>	
	<b>CLASSIFIED TOTAL:</b>	<u>2,141</u>	
COLORADO			
PETERSON AFB			
1	UNDERGROUND FUEL STORAGE TANK	S 1,750	CME
	PETERSON AFB TOTAL:	<u>1,750</u>	
	COLORADO TOTAL:	<u>1,750</u>	
DELAWARE			
DOVER AFB			
1	DORMITORY	4,600	СМ
	<b>DOVER AFB TOTAL:</b>	<u>4,600</u>	
	<b>DELAWARE TOTAL:</b>	4,600	
FLORIDA			
CAPE CANAVERA	AL AFS		
	CORROSION CONTROL FACILITY	1,700	СМЕ
	DELTA LAUNCH OPERATIONS FACILITY	7,000	СМ
	SLFI-UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	1,750	СМ
CA	PE CANAVERAL AFS TOTAL:	<u>10,450</u>	

Legend:

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
EGLIN AFB			
	RENOVATE CLIMATIC TEST CHAMBER PHASE III	20,000	СМ
	EGLIN AFB TOTAL:	20,000	
	FLORIDA TOTAL:	<u>30,450</u>	
GEORGIA			
MOODY AFB			
	UPGRADE AIRFIELD PAVEMENTS	8,000	NM
	DORMITORY	3,800	NM
	MOODY AFB TOTAL:	11,800	
ROBINS AFB			
	JSTARS ADD TO INTEGRATED SUPPORT FACILITY	3,100	NM
	JSTARS DORMITORY	5,525	NM
	JSTARS EXPANDED FLIGHT KITCHEN	1,850	NM
	JSTARS UTILITIES/ MISCELLANEOUS SUPPORT	3,825	NM
	UPGRADE STORM DRAINAGE SYSTEM	2,200	CME
	ROBINS AFB TOTAL:	<u>16.500</u>	
	GEORGIA TOTAL:	28,300	
IDAHO			
MT HOME AFB			
	DORMITORY	4,950	CM
	MT HOME AFB TOTAL:	<u>4,950</u>	
	IDAHO TOTAL:	<u>4,950</u>	
ILLINOIS			
SCOTT AFB			
	UNDERGROUND FUEL STORAGE TANKS	2,700	CME
	SCOTT AFB TOTAL:	<u>2.700</u>	
Logand: CM C	nument Missian		

Legend:

STATE/COUNTRY INSTALLATION	N PROJECT	APPROP <u>AMOUNT</u>	TYPE
	ILLINOIS TOTAL:	2,700	
KANSAS			
MCCONNELL A	AFB		
	UPGRADE STORM DRAINAGE FACILITIES	500	СМЕ
	MCCONNELL AFB TOTAL:	<u>500</u>	
	KANSAS TOTAL:	500	
LOUISIANA			
BARKSDALE A	FB		
	UPGRADE STORM DRAINAGE FACILITIES	1,500	CME
	BARKSDALE AFB TOTAL:	<u>1,500</u>	
	LOUISIANA TOTAL:	<u>1,500</u>	
MARYLAND			
ANDREWS AFB			
	DORMITORY	6,300	СМ
	ANDREWS AFB TOTAL:	6,300	
	MARYLAND TOTAL:	<u>6,300</u>	
MISSISSIPPI			
KEESLER AFB			
	7-LEVEL TRAINING CLASSROOMS	1,800	NM
	7-LEVEL TRAINING DORMITORY	8,800	NM
	UPGRADE FIRE SUPPRESSION SYSTEM	640	NM
	<b>KEESLER AFB TOTAL:</b>	<u>11,240</u>	
	MISSISSIPPI TOTAL:	<u>11,240</u>	
MISSOURI			
WHITEMAN AF	В		
	B-2 ADD TO AND ALTER AIRCRAFT APRON, TAXIWAY & CONVOY ROADS	4,600	NM

Legend:

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	15,000	NM
	UPGRADE STORM DRAINAGE FACILITIES	1,290	CME
	B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION SYSTEMS	3,400	NM
	WHITEMAN AFB TOTAL:	24,290	
	MISSOURI TOTAL:	24,290	• •
MONTANA			
MALMSTROM A	AFB		
	UNDERGROUND FUEL STORAGE TANKS	3,200	CME
	UNDERGROUND FUEL STORAGE TANKS MINUTEMAN III FACILITIES	4,000	СМЕ
	MALMSTROM AFB TOTAL:	<u>7,200</u>	
	MONTANA TOTAL:	<u>7,200</u>	
NEBRASKA			
OFFUTT AFB			
	UNDERGROUND FUEL STORAGE TANKS	760	CME
	UPGRADE STORM DRAINAGE FACILITIES	1,500	CME
	OFFUTT AFB TOTAL:	2,260	
	NEBRASKA TOTAL:	2,260	
NEW JERSEY			
MCGUIRE AFB			
	DORMITORY	8,700	СМ
	DORMITORY	1,600	NM
	UPGRADE SANITARY SEWER SYSTEM	4,800	СМЕ
	UPGRADE STORM DRAINAGE FACILITIES	1,900	СМЕ
	MCGUIRE AFB TOTAL:	<u>17,000</u>	
	NEW JERSEY TOTAL:	<u>17,000</u>	

Legend:

STATE/COUNTRY INSTALLATION	PROJECT	APPI AMO	ROP DUNT TYPE
NEW MEXICO			
HOLLOMAN A	FB .		
	DORMITORY		3,950 CM
	HOLLOMAN AFB TOTAL:		<u>3,950</u>
KIRTLAND AFI	3		
	UNDERGROUND FUEL STORAGE	TANKS	3,200 CME
	KIRTLAND AFB TOTAL:		<u>3,200</u>
	NEW MEXICO TOTAL:		<u>7.150</u>
NORTH CAROLINA			
POPE AFB			
	AIRCRAFT PARKING APRON LIGHTING		1,500 NM
	FIRE TRAINING FACILITY		1,100 CME
	BRIDGE, ROAD AND UTILITIES		4,000 NM
	POPE AFB TOTAL:	:	6,600
	NORTH CAROLINA TOTAL:		6,600
NORTH DAKOTA			
GRAND FORKS	AFB		
	UNDERGROUND FUEL STORAGE MISSILE FACILITIES	TANKS	5,200 CME
	GRAND FORKS AFB TOTAL:	:	5,200
MINOT AFB			
	UNDERGROUND FUEL STORAGE MISSILE FACILITIES	TANKS	2,950 CME
	UNDERGROUND FUEL STORAGE	TANKS	1,400 CME
	UPGRADE STORM DRAINAGE FACILITIES		1,500 CME
	MINOT AFB TOTAL:	;	<u>5.850</u>
	NORTH DAKOTA TOTAL:	1	<u>1,050</u>

Legend:

STATE/COUNTRY INSTALLATION PROJECT	APPROP AMOUNT	TYPE
ОНІО		
WRIGHT-PATTERSON AFB		
<b>UPGRADE STORM DRAINAGE SYSTEM</b>	3,350	CME
WRIGHT-PATTERSON AFB TOTAL:	<u>3,350</u>	
OHIO TOTAL:	<u>3.350</u>	
OKLAHOMA		
ALTUS AFB		
ADD TO AND ALTER DORMITORY	3,750	CM
ALTUS AFB TOTAL:	3,750	
TINKER AFB		
ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)	8,400	CM
UPGRADE STORM DRAINAGE SYSTEM	1,243	СМЕ
TINKER AFB TOTAL:	<u>9,643</u>	
VANCE AFB		
FIRE TRAINING FACILITY	980	CME
ALTER DORMITORIES	2,300	CM
UPGRADE CANITARY SEWER SYSTEM	1,100	CME
UPGRADE STORM DRAINAGE SYSTEM	1,800	CME
VANCE AFB TOTAL:	<u>6,180</u>	
OKLAHOMA TOTAL:	<u>19.573</u>	
SOUTH CAROLINA		
CHARLESTON AFB		
UPGRADE HAZARDOUS WASTE STORAGE FACILITY	1,500	CME
ALTER DORMITORIES	9,900	CM
CHARLESTON AFB TOTAL:	11,400	
SOUTH CAROLINA TOTAL:	11.400	

Legend:

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
SOUTH DAKOTA			
ELLSWORTH A	FB		
	UPGRADE STORM DRAINAGE FACILITIES	1,450	СМЕ
	<b>ELLSWORTH AFB TOTAL:</b>	<u>1,450</u>	
	SOUTH DAKOTA TOTAL:	<u>1,450</u>	
TENNESSEE			
ARNOLD AFB			
	HAZARDOUS WASTE/MATERIAL STORAGE FACILITY	1,900	СМЕ
	ARNOLD AFB TOTAL:	<u>1,900</u>	
	TENNESSEE TOTAL:	<u>1,900</u>	
TEXAS			
KELLY AFB			
	UPGRADE HYDRANT FUELING SYSTEMS	3,700	СМЕ
	ADD TO AND ALTER DORMITORY	2,250	CM
	UPGRADE SANITARY SEWER LINES	3,000	CME
	KELLY AFB TOTAL:	<u>8,950</u>	
LACKLAND AF	В		
	7-LEVEL TRAINING CLASSROOMS	1,800	NM
	ALTER RECRUIT DORMITORY	3,400	СМ
	LACKLAND AFB TOTAL:	<u>5,200</u>	
SHEPPARD AFI	3		
	7-LEVEL TRAINING CLASSROOMS	3,300	NM
	SHEPPARD AFB TOTAL:	3,300	
	TEXAS TOTAL:	<u>17.450</u>	

Legend:

STATE/COUNTRY INSTALLATION	N PROJECT	APPROP AMOUNT	TYPE
WASHINGTON			
FAIRCHILD AF	В		
	HAZARDOUS MATERIAL STORAGE FACILITY	1,400	СМ
	UPGRADE STORM DRAINAGE FACILITIES	2,450	СМЕ
	FAIRCHILD AFB TOTAL:	<u>3.850</u>	
	WASHINGTON TOTAL:	<u>3,850</u>	
WYOMING			
F E WARREN A	FB		
	UNDERGROUND FUEL STORAGE TA	ANKS 2,650	СМЕ
	F E WARREN AFB TOTAL:	<u>2.650</u>	
	<b>WYOMING TOTAL:</b>	<u>2.650</u>	
INSID	E THE UNITED STATES TOTAL:	<u> 262,654</u>	
AZORES, PORTUGA	AL .		
LAJES FIELD			
	REFUSE INCINERATOR	2,850	CME
	LAJES FIELD TOTAL:	<u>2,850</u>	
	AZORES, PORTUGAL TOTAL:	2,850	
CLASSIFIED			
CLASSIFIED LO	OCATION		
	WAR READINESS MATERIEL MAINTENANCE/MANAGEMENT FAC	1,300	NM
	WAR READINESS MATERIEL MEDICAL STORAGE FACILITY	2,100	NM
	WAR READINESS MATERIEL OPEN STORAGE FACILITY	650	NM
<u>c</u>	LASSIFIED LOCATION TOTAL:	4.050	
	CLASSIFIED TOTAL:	4.050	

Legend:

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
GERMANY			
RAMSTEIN AB			
	HAZARDOUS MATERIAL STORAGE FACILITY	1,150	СМЕ
	UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	11,200	СМЕ
	RAMSTEIN AB TOTAL:	12,350	
SPANGDAHLEM	I AB		
	CHILD DEVELOPMENT CENTER	2,273	CM
	UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS	7,200	CME
	SPANGDAHLEM AB TOTAL:	<u>9,473</u>	
	<b>GERMANY TOTAL:</b>	<u>21,823</u>	
GREENLAND			
THULE AB			
	FIRE TRAINING FACILITY	2,450	CME
	THULE AB TOTAL:	2,450	
	<b>GREENLAND TOTAL:</b>	2,450	
UNITED KINGDOM			
RAF LAKENHEA	атн		
	F-15E ADD TO MUNITIONS MAINTENANCE FACILITY	850	NM
	ADD TO AND ALTER DORMITORY	3,700	CM
	UPGRADE STORM DRAINAGE SYSTEM	2,550	CME
	RAF LAKENHEATH TOTAL:	<u>7,100</u>	
	UNITED KINGDOM TOTAL:	7,100	
<u>OUTSIDE</u>	THE UNITED STATES TOTAL:	<u>38,273</u>	
VARIOUS			
VARIOUS LOCA	TIONS		
	PLANNING AND DESIGN	49,386	ww

Legend:

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
UNSP	ECIFIED MINOR CONSTRUCTION	7,000	ww
VARIO	US LOCATIONS TOTAL:	<u>56,386</u>	
	VARIOUS TOTAL:	<u>56,386</u>	
	WORLDWIDE TOTAL:	<u>56,386</u>	
F	Y 95 PROGRAM TOTAL:	<u>357,313</u>	

Legend:

CM - Current Mission
CME - Current Mission Environmental
NM - New Mission

Page No. **D** - 11

### DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FY 1995 AMENDED PRESIDENT'S BUDGET INSTALLATION INDEX

INSTALLATION	HOST COMMAND	STATE/COUNTRY	PAGE
ALTUS AFB	AETC	OKLAHOMA	184
ANDREWS AFB	AMC	MARYLAND	101
		TENNESSEE	
ARNOLD AFB	MTC	IENNE22EE	216
BARKSDALE AFB	ACC	LOUISIANA	97
BEALE AFB	ACC	CALIFORNIA	9
			•
CAPE CANAVERAL AFS	SPC	FLORIDA	44
CAPE LISBURNE LRRS	PAF	ALASKA	5
CHARLESTON AFB	AMC	SOUTH CAROLINA	205
CLASSIFIED LOCATIONS	LEE	INSIDE THE U.S.	35
CLASSIFIED LOCATIONS		OUTSIDE THE U.S.	256
CEAGGII IED EGGATIONG		001010E 111E 0.0.	200
DOVER AFB	AMC	DELAWARE	40
EDWARDS AFB	MTC	CALIFORNIA	13
EGLIN AFB	MTC	FLORIDA	54
ELLSWORTH AFB	ACC	SOUTH DAKOTA	212
	A00		
F.E. WARREN AFB	SPC	WYOMING	248
FAIRCHILD AFB	ACC	WASHINGTON	241
GRAND FORKS AFB	AMC	NORTH DAKOTA	166
HOLLOMAN AFB	ACC	NEW MEXICO	148
-			
KEESLER AFB	AETC	MISSISSIPPI	105
KELLY AFB	MTC	TEXAS	220
KIRTLAND AFB	MTC	NEW MEXICO	152
LACKLAND AFB	AETC	TEXAS	230
LAJES FIELD	ACC	AZORES, PORTUGAL	252
RAF LAKENHEATH	AFE	UNITED KINGDOM	281
MALMSTROM AFB	AMC	MONTANA	124
MAXWELL AFB	AETC	ALABAMA	1
MCCONNELL AFB	AMC	KANSAS	96
MCGUIRE AFB	AMC	NEW JERSEY	135
MINOT AFB	ACC	NORTH DAKOTA	170
MOODY AFB	ACC	GEORGIA	65
MOUNTAIN HOME AFB	ACC	IDAHO	88
OFFUTT AFB	ACC	NEBRASKA	131
PETERSON AFB	SPC	COLORADO	36
POPE AFB	ACC	NORTH CAROLINA	156
· - · - · · · ·	•••		

### DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FY 1995 AMENDED PRESIDENT'S BUDGET INSTALLATION INDEX

INSTALLATION	HOST COMMAND	STATE/COUNTRY	PAGE
RAMSTEIN AB	AFE	GERMANY	263
ROBINS AFB	MTC	GEORGIA	72
SCOTT AFB	AMC	ILLINOIS	92
SHEPPARD AFB	AETC	TEXAS	237
SPANGDAHLEM AB	AFE	GERMANY	270
THULE AB	SPC	GREENLAND	277
TINKER AFB	MTC	OKLAHOMA	188
TRAVIS AFB	AMC	CALIFORNIA	20
TYNDALL AFB	AETC	FLORIDA	58
VANCE AFB	AETC	OKLAHOMA	195
VANDENBERG AFB	SPC	CALIFORNIA	27
VARIOUS LOCATIONS	LEE	VARIOUS LOCATIONS	288
WHITEMAN AFB	ACC	MISSOURI	112
WRIGHT-PATTERSON A		ОНІО	180

### DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM PISCAL YEAR 1995

### ECONOMIC COMSIDERATIONS

An economic evaluation has been accomplished for all projects costing over \$2 million and the results are addressed in the individual DD Forms 1391. Life cycle economic analyses or justifications why an economic analysis was not warranted will be submitted directly to the OSD staff at their request.

### DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL

In accordance with Public Law, 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

### ENVIRONMENTAL STATEMENT

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process (EIAP) has been completed or is actively underway for all projects in the Air Force FY 1995 Military Construction Program.

### EVALUATION OF FLOODPLAINS AND WETLANDS

All projects in the program have been evaluated for compliance with Executive Orders 11988, Floodplain Management, and 11990, Protection of Wetlands, and the Floodplain Management Guidelines of U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods on human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

### ENVIRONMENTAL COMPLIANCE

The FY 95 MILCON request includes \$105.3 million for requirements necessary to correct current environmental noncompliance situations and to prevent future noncompliance. The request is the result of an intense effort to correct environmental concerns existing in five major infrastructure areas: wastewater treatment systems, corrosion control systems, hydrant refueling systems, underground storage tank systems, and live fire training facilities.

### FY 1995

### CONGRESSIONAL REPORTING REQUIREMENTS

### 1. STATEMENTS ON NATO ELIGIBILITY

These are in response to the requirement in the FY 1988 Senate Appropriations Committee Report, 100-200, page 13, and are included in the appropriate project justifications.

### 2. STATEMENTS ON COMPLIANCE WITH CONSTRUCTION MANUAL 4210.1M

These are in response to the requirement in the FY 1988 Senate Appropriations Conference Report, 100-498, page 1003, and are included in each project justification.

### 3. NEW AND CURRENT MISSION ACTIVITIES

The FY 1989 Senate Appropriations Committee Report, 100-380, pages 10 and 11, identified a requirement to include an exhibit in the budget justification books that displayed required projects in two separate categories: New Mission and Current Mission. The CM (current mission) or NM (new mission) designation which follows the project on the listing at Tab D identifies each project as new or current mission. Additionally, each justification in Block 11 indicates whether the project supports a new or current mission.

### 4. RESOLUTION TRUST CORPORATION ASSETS

Senate Armed Services Committee Report 101-384, dated 20 July 1990, on the National Defense Authorization Act for FY 91 requested the Department to screen Resolution Trust Corporation assets to determine if proposed construction projects could be more economically met through the purchase of existing assets held by the Resolution Trust Corporation. The FY 95 Military Construction and Family Housing programs were compared to the current real estate asset inventory published by the Resolution Trust Corporation. It was determined and the Department certifies that no assets exist that can be economically used in lieu of the FY 95 projects requested.

### THIRD PARTY FINANCING

Test of long-term facilities contracts

NONE

### FY 1995 NON-MILCON CONSTRUCTION

This information is being provided in response to the requirement on page 1006 of the FY 1988 Appropriations Conference Report 100-498. Information on appropriations other than MILCON are on the following pages:

PROGRAM

PAGE NUMBER

Research and Development (RDT&E)

F-5

### NON-MILCON FUNDING

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (RDT&E) FUNDING Refer to RDT&E Descriptive Summary Documentation for Detail

PE	Type of Effort	<u>FY</u>	(\$000)
3.41.11F	Alter Space Launch Complex- 4E Titan IV Program	1995	\$1,600
3.41.11F	Direct Current Electrical Power Upgrade	1995	2,500

### APPROPRIATION LANGUAGE

### MILITARY CONSTRUCTION, AIR FORCE

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property for the Air Force as currently authorized by law \$357,313,000 to remain available until September 30, 1999: Provided, that of this amount, not to exceed \$49,386,000, shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

Program and Financing (in Thousands of dollars)

Budget Plan (amounts for MILITARY

1 1 3 4 5 4 5 6 6		Budget Plan (amount CONSTRUCTION action	يع بو ا	for MILITARY programed)		Obligations	
Identif	Identification code 57-3300-0-1-051	1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
ł	Program by activities: Direct program:	; ; ; ; ; ; ; ; ; ; ; ;	\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 	1 1 1 1 1 1 1 1 1 1	1
00.0101	Major construction	636,530	950,841	300,927	168,101	1,004,890	629,593
00.0301		92,000	63,882	49,386	120,405	60,200	57,945
00.0401	Supporting activates	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5,947	4,245	4,872
1016.00	Total direct program	(1)	1,021,567	•	1,010,450	1,079,583	701,314
1010.10	Reimbursable program		323	323		323	323
10.0001	Total	735,530	1,021,890	357,636	1,010,450	1,079,906	701,637
11.0001	Financing: Offsetting collections from:   Federal funds(-)   Recovery of prior year obligations		-323	-323	-12.063	-323	- 323
21.4002	Unobligated balance available, start of y For completion of prior year budget pla Available to finance new budget plans		-30,095		-1,303,369	-958,518 -30,095	-900,502
21.4009	Reprograming from/to prior year budget plan Unobligated balance transferred to other acco	-81,992 20,495			20,495		
24.4002 24.4003 25.0001		30,095 13,652			958,518 30,095 13,652	900,502	556,501
39.0001	Budget authority	717,780	991,472	357,313	717,780	991,472	357,313
40.0001	Budget authority: Appropriation Appropriation rescinde	7,78	1,021,567	7,31	7.7	1,021,567	357,313
43.0001	Appropriation (adjusted)	717,780	991,472	357,313	717,780	991,472	357,313
71.0001 72.4001 74.4001 77.0001 78.0001	Relation of obligations to outla Obligations incurred Obligated balance, start of ye Obligated balance, end of year Adjustments in expired account Adjustments in unexpired account				1,010,450 898,841 -978,852 -17,802	1,079,583 978,852 -1,138,157	701,314 1,138,157 -997,345
90.0001	Outlays (net)	1 1 1 1 1 1 1	3 4 1 8 1 8 1 1 5	1 3 1 1 1 1 1 1 1	900,575	920,278	842,126

Military Construction, Air Force Object Classification (in Thousands of dollars)

	#		
190-1-0-10-10-10-10-10-10-10-10-10-10-10-1	1993 actual	1994 est.	-
	111111111111111111111111111111111111111		
199.001 Total Direct obline+icos	150,000	/99'/01	111.847
	100,537	107,667	111,847
Reimbursable obligations: 232.001 Land and structures			1
299.001 Total Reimbursable obligations	1	923	323
		323	323
Allocation Accounts 332.001 Land and structures	600	910 110	6
399 OD1 Total Allegation and and and and and and and and and an	0 1 0 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0-6-76	104.80C
	616,909	971,916	589,467
999.901 Total obligations	1.010.450	300 070 1	F69 101
Obligations are distributed as follows:			
Defense-Militery.Arek	737,629	755.934	505 158
Defense-X-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	171,776	210,982	130,986
Department of Transportation	100,035	107,990	65,493
Total Obligations	1,010,450	1,079,906	701,637

(Rescission Proposal)

SUPPLEMENTAL	
_	
ű	
4	1
_	1
g	1
	i
TIOUTEM ENG TIMENCING (IN THOUSENDS OF GOLDENS)	į
	1
ğ	į
6	1
š	ì
2	1
Ĕ	i
_	1
C	į
5	1
_	į
8	;
Ξ	į
2	;
3	į
=	i
L	į
0	i
5	į
•	i
Ę	!
•	i
30	ļ
	į
L	:
	į
	ļ

	Budget Plan CONSTRUCTION		WILITARV ramed)		Obligations	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Identification code 57-3300-5-1-051	1993 actual	1994 est. 1	1995 est.	1995 est. 1993 actual	1994 est.	1995 est
ctivities:	; ; ; ; ; ; ; ; ; ;	-85,094	 	1 1 1 1 1 1 1 1 1 1	-42,547	-25,528
Financing: Unobligated balance available, start of year: 21.4002 For completion of prior year budget plans						
Unobligated balance available, end of year: 24.4002 For completion of prior year budget plans					-42,547	142,34
40.3501 Budget authority (Appropriation rescinded) (	; ; ; ; ; ;	-85,094	;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-85,094	- 1
Relation of obligations to outlays: 71.0001 Obligations incurred 72.4001 Obligated balance, start of year 74.4001 Obligated balance, end of year		,	]		-42,547	-25,528
90.0001 Outlays (net)					555° 65	37.952
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-/.148	-22,975

Military Construction, Air Force (Rescission Proposal) Object Classification (in Thousands of dollars) SUPPLFMENTAL

Identification code 57-3300-5-1-051  Direct obligations: 132.001 Land and structures 199.001 Total Direct obligations -42,547 -25,528		1995 est.		-25.528	+	-25,528	\$ \$ \$ \$ \$ \$ \$	-25,528
300-5-1-051  s  ations	* * * * * * * * * * * * * * * * * * * *	1994 est.		-42,547		-42,547	1 1 1 1 1	-42,547
Identification code 57-3300-5-1-051 Direct obligations: 132.001 Land and structures 199.001 Total Direct obligations		1993 acted 6			1 2 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
132.00 132.00 199.00	fication code 57-3300-5-1-051	Direct obligations	Land and structures		1 Total Direct obligations		1 Total obligations	
	Identi	-	132.00		199.00		999.90	

1. COMPONENT				2. DAT	E
	1995 MILITARY CO		GRAM		ļ
AIR FORCE	(computer s			1	
3 INSTALLATION AND LO		4. COMMAND	•	1	A CONST
		AIR EDUCATION			T INDEX
MAXWELL AIR FORCE BASE	, ALABAMA	AND TRAINING	CUMMAND		74
6. PERSONNEL	PERMANENT	STUDENTS	SUPPOR	TED	TOTAL
a. As of 30 SEP 93	OFF ENL CIV	1556 46 1	V OFF EN	r CIA	TOTAL 5,655
b. End FY 1999				1 1	, ,
B. End FI 1999	7. INVENTORY		<del></del>		5,833
a. Total Acreage: (		DATA (3000)	<del></del>		
b. Inventory Total As	0f (30 SED 93)			204,11	g I
c. Authorization Not Y				11,95	
d. Authorization Reque		ram.		9,60	
e. Authorization Inclu	ided In Following	Program: (FY	1996)	31,70	
f. Planned In Next The			23307	63,10	,
g. Remaining Deficience		•		•	o
h. Grand Total:	.,.			320,46	٠ ,
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY 1995	· - · · · · · · · · · · · · · · · · · ·	320, 10	<u> </u>
CATEGORY			COST	DESIGN	STATUS
	CT TITLE	SCOPE	(\$000)		CMPL
	<del></del>		<del></del>		
724-417 STUDENT DORMI	TORIES	200 PK	9,600	MAY 93	DEC 94
<u> </u>		TOTAL:	9,600		
9a. Future Projects:	Included in the	Following Pro	gram (FY 1	996)	
111-111 IMPROVE RUNWA					
171-851 AU PROFESSION	MAL/TECH EDUCATION	35,000 SY N 60,000 SF	6,600		
PHASE II					
171-851 ADD TO AND AI	TER ACADEMIC	23,000 SF	2,700		
FACILITY					
722-351 DINING FACIL		31,700 SF			
724-433 CADET QUARTER			10,000		1
740-884 CHILD DEVELOR	PMENT CENTER				-
<u> </u>		TOTAL:			
9b. Future Projects:					
141-453 RENOVATE BASE	OPERATIONS	22,607 SF			
171-844 OFFICER TRAIN	VING FACILITY	83,000 SF			
724-417 CADET DORMITO		150 PN			
724-417 VISITING OFFI		200 PN	•		
		5,000 SF			<del></del>
10. Mission or Major	runctions: Head	quarters Air (	niversity;	Air Wa	r
College; Air Command a	and Staff Coffege	, squadron Uri	icer Schoo	I; UIII	cer
Training School; Center Air Force Quality Cent	or: Ima C Falson	Comton for Des	earcn, and	Educati	on;
Air Force Historical F	lesoarch Aconous	Jenter for Pro	oressionar	neverob	ment;
Officer Training Corps	: Headouarter: C	ivil Air Darra	ore conce K	eserve	000
of the Air Force; an a	ir hase wine (r-	ol sircraft) a	nd an Ai-	EOTCO	-58c
Reserve airlift group	(C-130 aircraft)	· arrelate) s	ind all MIT	FOLCE	
11. Outstanding polls			ries:		·
Januaring politic	and serety	(ODII) GELICIEI	16163.		
a. Air pollution	n:			0	1
b. Water polluti				0	Į.
	safety and healt	h:		0	1
d. Other Environ		<del></del>		0	
	* * = *				·

1. COMPONENT	FY 1995 MILITARY CONSTRU		2. DATE
AIR FORCE	(computer gen	erated)	
	ON AND LOCATION	4. PROJECT TITLE	
MAXWELL AIR F	ORCE BASE, ALABAMA	STUDENT DORMITORIES	j
5. PROGRAM EL	EMENT 6. CATEGORY CODE 7. PR	OJECT NUMBER 8. PROJ	ECT COST(\$000)

9. COST ESTIMAT	<u> 63</u>			
			UNIT	COST
<u>ITEM</u>	U/M	QUANTITY	COST	(\$000)
STUDENT DORMITORIES (200 PN)	SF	103,400		6,810
VISITING OFFICERS QUARTERS	SF	96,000	64	(6,144)
BILLETING OFFICE	SF	7,400	90	( 666)
SUPPORTING FACILITIES	]			1,795
UTILITIES	LS			( 440)
SITE IMPROVEMENTS	LS	[		( 400)
PAVEMENTS	SY	13,000	28	( 365)
DEMOLITION	SF	49,300	12	( <u>590</u> )
SUBTOTAL	l l	[		8,605
CONTINGENCY (5%)	i			<u>430</u>
TOTAL CONTRACT COST	1	1		9,035
SUPERVISION, INSPECTION AND OVERHEAD (6%)	- }	(		542
TOTAL REQUEST		i		9,577
TOTAL REQUEST (ROUNDED)		]		9,600
	}	}		
	Į	[		
	I			
	- (			

10. Description of Proposed Construction: Three buildings of reinforced concrete foundation and floor slabs, structural frame, walls and roof. Included room-bath modules, laundries, storage and lounge areas, and all necessary support. Demolition of two WW II vintage type dormitories. Provide a parking lot with drainage and street improvements.

Air Conditioning: 320 Tons. Grade Mix: 200 01-03.

11. REQUIREMENT: 1,226 PN ADEQUATE: 500 PN SUBSTANDARD: 776 PN PROJECT: Construct two student dormitories for the Squadron Officer School (SOS) and a new billeting office. (Current Mission) REQUIREMENT: Adequate living quarters are needed to accommodate approximately 608 students (company grade officers and civilians) in each of five 7-week courses annually offered at the school. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important training these students are to receive. The billeting office must provide a separate area for customer service, lounge, waiting area, front desk, lobby, admin, guest storage, general storage, locker room, and conference room, not now available in SOS dormitories. Two WW II vintage type dormitories will be demolished upon completion of this project.

CURRENT SITUATION: The existing dormitories, constructed in 1956, have had only minor upgrades over the past years and are inadequate by current living standards. Major deficiencies are inadequate lighting, poor sound attenuation, deteriorated windows, outdated electrical and mechanical systems. These existing facilities are beyond economical repair. The billeting office serves an average of 230 guests per day and is also located in a five-story dormitory with limited space. There are no other

9,600

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION

MAXWELL AIR FORCE BASE, ALABAMA

4. PROJECT TITLE

5. PROJECT NUMBER

STUDENT DORMITORIES

PNQS943079

facilities on base which could be upgraded to meet the billeting requirement.

IMPACT IF NOT PROVIDED: The dormitories and billeting office will remain functionally substandard. This will adversely affect the overall education mission and lower student morale.

ADDITIONAL: An economic analysis was prepared comparing alternatives of new construction, revitalization, leasing and status quo operation. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This is also the first half of a two part program to correct SOS dormitory deficiences. Two additional dormitories are programmed for FY 97 in order to meet the remaining requirements. This project has been considered for FY98 force structure end strength.

. COMPONENT		2. DATE
IR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
	ION AND LOCATION	<del></del>
	FORCE BASE, ALABAMA	
. PROJECT T	ITLE 5. PI	ROJECT NUMBER
TUDENT DORM	TTOPIFS	NQS943079
	ENTAL DATA:	
	ted Design Data:	
(1) s		
	) Date Design Started	93 MAY 06
	) Parametric Cost Estimates used to develop costs	
	<pre>) Percent Complete as of Jan 1994 ) Date 35% Designed.</pre>	15%
	) Date 35% Designed. ) Date Design Complete	94 APR 01 94 DEC 13
(6	, bate besign complete	94 DEC 13
(2) B	asis:	
	) Standard or Definitive Design -	NO
(Ъ	) Where Design Was Most Recently Used -	N/A
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	) Production of Plans and Specifications	450
	) All Other Design Costs	270
	) Total	720
	) Contract	450
(е	) In-house	270
(4) C	onstruction Start	95 MAR
. Equipmen	t associated with this project will be provided fro	om
her approp	riations: N/A	

1. COMPONENT	Y 1995 MILITARY CO	NSTRUCTIO	ON PROCE	AM .	2.	DAT	E
AIR FORCE	(computer			UNIT			
3. INSTALLATION AND		4. COMM			5.	ARE	A CONST
CAPE LISBURNE LONG R	ANGE RADAR SITE,	ļ				COS	T INDEX
ALASKA		PACIFIC	AIR FOR	CES		2.	75
6. PERSONNEL	PERMANENT	STUD	ENTS	SUPI	PORTED		
STRENGTH	OFF ENL CIV	OFF E	NL CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93							
b. End FY 1999							
	7. INVENTORY	DATA (\$	000)		· · · · · · ·		
a. Total Acreage: (							
b. Inventory Total A					2	3,73	3
c. Authorization Not	Yet In Inventory:						0
d. Authorization Req	uested In This Pro	gram:				2,80	0
e. Authorization Inc	luded In Following	Program	: (FY 1	996)			0
f. Planned In Next T	hree Program Years	:					0
g. Remaining Deficie	ncy:						0
h. Grand Total:					20	<u>6,53</u>	3
8. PROJECTS REQUESTE	D IN THIS PROGRAM:	FY 199	5				
CATEGORY				COST	DES	IGN	STATUS
CODE PRO	JECT TITLE	SCO	PE	(\$000)	ST	ART	CMPL
411-134 UNDERGROUND	FUEL STORAGE TANK		13 EA _ TAL:	2,800		93	JUL 94
9a. Future Projects	: Included in the					) NO	NE
9b. Future Projects	: Typical Planned	Next Th	ree Year	·s:			
10. Mission or Majo	r Functions: An a	ir contr	ol detac	hment	which	pro	vides
early warning defens						P	
	lution and safety	(OSH) de	ficienci	es:			
<b>5</b> .	•						
a. Air polluti	on:					0	
b. Water pollu						Ō	
	l safety and healt	h:				0	
d. Other Envir						Õ	
· · · · · ·						·	

	1. COMPONENT		ARY CONSTRUC	CTION PROJECT DA	TA 2. DATE
	AIR FORCE	(c	omputer gene	erated)	
		ION AND LOCATION		4. PROJECT TIT	LE
	CAPE LISBURN	E LONG RANGE RADAR	SITE,		
	ALASKA			UNDERGROUND FU	EL STORAGE TANKS
•		PHENT & CATECODY	CODE 7 PP	THET NIMBER A	PROJECT COST(SOOO)

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$00-2.74.56P 411-134 DBQT953005 2,800

9. COST ESTIMATE	S			
	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	13		1,680
ABOVEGROUND STORAGE TANKS	EA	10	138,000	(1,380)
TANK REMOVAL/DISPOSAL	EA	] 3	100,000	( 300)
SUPPORTING FACILITIES		1		730
UTILITIES	LS	}		( 100)
SITE IMPROVEMENTS	LS	}	i i	( 75)
SOIL REMEDIATION	LS		1	( 75)
FUEL PIPELINE	LF	1,600	300	( <u>480</u> )
SUBTOTAL	1	<b>\</b>	1	2,410
CONTINGENCY (10%)	1	ξ	<b>,</b>	<u> 241</u>
TOTAL CONTRACT COST		į.		2,651
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)	ı	1	[	<u> 172</u>
TOTAL REQUEST	1		1	2,823
TOTAL REQUEST (ROUNDED)	1	1	]	2,800
		1	İ	
		1	1	
			1	
	1	1	L	

10. Description of Proposed Construction: Replace two 492,000 gallon, single walled vertical storage tanks with nine 30,000 gallon, self-diked tanks. Replace 25,000 gallon underground MOGAS tank with a self-diked above ground tank. Replace old piping with new piping as required. Install fuel detection, spill/overfill prevention and cathodic protection. Includes soil remediation, disposal, utilities and all necessary support.

11. REQUIREMENT: As required.

<u>PROJECT</u>: Remove and replace underground fuel storage tanks. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. An adequate fuel storage and pipeline system is required to replace the existing deteriorated system. Additionally, secondary containment around aboveground fuel storage areas is needed to contain spills in event of rupture. The Federal Oil Pollution Prevention Regulation (40 CFR, Section 112.7(e)(2)) requires impervious secondary containment for aboveground tanks. The smaller underground tanks, regulated by 40 CFR 280, requires replacement to meet the new construction standards by 22 December 1998. This site's mission, long-range radar protection of the US coastline, depends on stored fuel to operate during long winter months when it is inaccessible.

CURRENT SITUATION: The existing fuel storage system was installed in 1952 and is now severely deteriorated. The two aboveground tanks are very pitted and the threat of a leak exists at any time. They are located on the beach, directly adjacent to the Arctic Ocean, and the dikes surrounding the tanks are unlined. The piping is old and does not have the necessary protection to prevent further deterioration. The underground tank represents a high potential leakage threat since it is

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  CAPE LISBURNE LONG RANGE RADAR SITE, ALASKA	
4. PROJECT TITLE 5.	PROJECT NUMBER

UNDERGROUND FUEL STORAGE TANKS

DBQT953005

unprotected steel over 15 years of age. A leak from any of the three tanks would have grave environmental consequences. The six to eight permanently assigned personnel at this small site have a limited capability to respond to a big spill. The age of the system, its beach location, lack of lined diking and leak detection, lack of spill/overfill prevention or cathodic protection, and limitations of the site to handle environmental problems demand this project. A notice of violation has not yet been assigned to this situation.

IMPACT IF NOT PROVIDED: In the event of a fuel spill, surrounding soil and the Arctic Ocean would be quickly contaminated, causing significant damage to the environment, and the Air Force would be subject to litigation and fines under the Clean Water Act. Failure to take corrective action will result in fuel storage which still does not comply with regulatory requirements.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, repair and replacement construction) was done. It indicates there is only one option that satisfies statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
	ON AND LOCATION	
	LONG RANGE RADAR SITE, ALASKA	OJECT NUMBER
. PROJECT TI	TLE J. PK	JJECI NUMBER
nderground f	UEL STORAGE TANKS DB	QT953005
2. SUPPLEME	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atus:	
(a)	Date Design Started	93 JUN 1
(ь)	Parametric Cost Estimates used to develop costs	3
(c)	Percent Complete as of Jan 1994	307
	Date 35% Designed.	94 FEB 15
	Date Design Complete	94 JUL 0
(2) Ba	sis:	
	Standard or Definitive Design -	YES
	Where Design Was Most Recently Used -	HICKAM
	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a)	Production of Plans and Specifications	120
(ъ)	All Other Design Costs	100
	Total	220
(d)	Contract	30
(e)	In-house	190
(4) Co	nstruction Start	94 DEC
. Equipment ther appropr	associated with this project will be provided from iations: N/A	n

				2. DAT	L.
	FY 1995 MILITARY C		RAM		
AIR FORCE		generated)	<del></del>	E ARE	4 CONCE
3. INSTALLATIO	N AND LOCATION	4. COMMAND			A CONST
	IR DAGR. GALTEORYTA	4.T.D. GOV/D.4.M. GOV	44355	1	T INDEX
	E BASE, CALIFORNIA	AIR COMBAT COM		1;	24
6. PERSONNEL	PERMANENT	STUDENTS	SUPPOR		
STRENGTH	<del></del>	OFF ENL CIV			
a. As of 30 SI		1 1 1	] 1	1	3,707
b. End FY 1999			<del></del>	1 1	3,926
<u> </u>		Y DATA (\$000)	··		
	ige: ( 22,944)	`		102 12	,
	Cotal As Of: (30 SEP 93			182,13	
	on Not Yet In Inventory			14,20	
	on Requested In This Pr		100()	1,45	
	on Included In Followin		1996)		0
	Next Three Program Year	s:		23,65	_
g. Remaining I					0
h. Grand Total	QUESTED IN THIS PROGRAM	. BY 1006		221,43	4
	QUESTED IN THIS PROGRAM	: FY 1995	CO.000	DEGTON	0.00 A 000 10
CATEGORY	DDO IECT TITLE	CCORE		DESIGN	
CODE	PROJECT TITLE	SCOPE	<u>(\$000)</u>	START	CMPL
	ADE STORM DRAINAGE	LS	1,450	JUL 93	NOV 94
rau.	LITTES	TOTAL:	1,450		
9a. Future Pr	ojects: Included in th			996) NO	NE
9b. Future Pr	ojects: Typical Planne	d Nowt Thron You	ram (FI I	330) NU	NE
	ITLINE FIRE STATION	24,000 SF			
	CRASH RESCUE STATION	5 000 SI	1 200		
214-425 VEHTO	CLE OPERATIONS AND	5,000 SF 38,000 SF	5 100		
	TENANCE	50,000 01	3,100		
	O MILITARY PERSONNEL	15,000 SF	3,050		
	ORT CENTER	13,000 31	3,030		
	STRIAL WASTEWATER	LS	5,000		
	ATMENT FACILITIES	LIS	3,000		
	or Major Functions: A f	lying wing which	includes	two	
reconnaissance	e squadrons (U-2 and T-3	8 sircraft): the	Air Forc	e Comba	•
Ammunition Cer	ter; an air refueling s	quadron (KC-135	AII FOLL	· and a	n Ai-
Force Space Co	ommand missile warning s	quadron (ko 155 .	erster on	, and a	u vii
Phased Array 6	Varning System (Pave PAW	quadron which op	eraces on	e or th	e
	ing pollution and safety		i oc :		
11. Outstand	ing politicion and safety	(OSH) delicienc	162.		
a. Air 1	oollution:			2 250	
	pollution:			2,250	
	pational safety and heal	th.		3,500	
	Environmental:	L11.		1 500	
u. Other	Environmental.			1,500	

1. COMPONENT								2	DATE		
1. COMPONENT	E.	7 1995 MILITARY C	ONSTRIC	מם ערוי	O IECT	DATA		۲.	DAIL		
AIR FORCE	F		er gene:		OJECI	UNIF	•	ļ	{		
			er Kene		IPCT :	CYPIE		L	<del></del>		
3. INSTALLATION	ANL	LUCATION			4. PROJECT TITLE						
[					JPGRADE STORM DRAINAGE						
BEALE AIR FORCE			<del>,</del>	FACILI							
5. PROGRAM ELEM	ENT!	6. CATEGORY CODE	7. PRO.	JECT NU	MBER	8. F	ROJE	CT (	COST(\$000)		
ļ						l			1		
2.74.56C		871-183	BAE	7992500					1,450		
		9. COS	T ESTIM	ATES							
							UNI'	r	COST		
		ITEM		U/M	QUAN	TITY	cos:	r	(\$000)		
UPGRADE STORM I	RAII	NAGE FACILITIES		LS					580		
SUPPORTING FACT	LIT	IES		İ					725		
CORRECT CROSS	S-COI	NNECTIONS		LS	]				( 725)		
SUBTOTAL		,,			1				1,305		
CONTINGENCY (52	7)			l					65		
		r		İ	1				1,370		
TOTAL CONTRACT			D (6%)	ł							
	NSPE	CTION AND OVERHEA	D (0%)	į į	1				82		
TOTAL REQUEST		>		İ					1,452		
TOTAL REQUEST	(ROU	NDED)		Ì					1,450		
				1					\$ \$		
1											
}				]							
1				- 1	i		l		1 1		

10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of sanitary and storm sewer cross-connections and rerouting of non-storm water discharges to the sanitary sewer system. Connect oil/water separators, and provide necessary support.

11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage facilities. (Current Mission)
REQUIREMENT: This is a Level II environmental compliance requirement.
This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. Beale AFB applied for a storm water permit in Mar 92 under the state of California's baseline general permit process. The correction of non-storm water discharges and cross-connections are required no later than three years after filing the Notice of Intent to the state. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit requirements by Mar 95. Corrective actions are required to eliminate sources of pollutants to storm drainage.

<u>CURRENT SITUATION</u>: Currently, the base does not have a means to separate the runoff from non-storm water discharges. There are existing cross-connections which are not allowed by the NPDES permit. Some non-storm water discharges are connected to the storm drainage system which is not allowed by the state's general permit.

IMPACT IF NOT PROVIDED: Beale AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However,

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	. A
AIR FORCE	(computer generated) ION AND LOCATION	
J. INSTALLAT	ION AND LOCATION	
BEALE AIR FO	RCE BASE, CALIFORNIA	
4. PROJECT T	ITLE	5. PROJECT NUMBER
		7.4 PV000500
UPGRADE STOR	M DRAINAGE FACILITIES	BAEY992500
this project	does meet the criteria/scope specified in Air	Force Manual
86-2, "Stand	ard Facility Requirements".	
ļ		
İ		
		]
		}
! !		

	LATIC	(computer generated) ON AND LOCATION	<del></del>
		A RID GOORION	
EALE AIR	FORC	CE BASE, CALIFORNIA	
. PROJEC			5. PROJECT NUMBER
PGRADE S	TORM	DRAINAGE FACILITIES	BAEY992500
2. SUPP	LEMEN	NTAL DATA:	
a. Est	imat∈	ed Design Data:	
(1)	Sta	itus:	
ν-,		Date Design Started	93 JUL 30
		Parametric Cost Estimates used to develop	
	(c)	Percent Complete as of Jan 1994	35%
		Date 35% Designed.	93 DEC 01
	(e)	Date Design Complete	94 NOV 30
(2)	Bas	iis:	
,-,		Standard or Definitive Design -	NO
		Where Design Was Most Recently Used -	N/A
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
(0)		Production of Plans and Specifications	87
		All Other Design Costs	157
	(c)	Total	244
		Contract	155
	(e)	In-house	89
(4)	Сол	struction Start	95 FEB
	ment ropri	associated with this project will be provide ations: N/A	ed from
Equip	* ~ P * ~	acions. My n	
Equip her app	-		
Equip ther app			

1. COMPONENT			** <del></del>			1:	2. DAT	E	
FY 1995 MIL	ITARY CON	STRUC	TION I	PROGE	RAM			_	
f I	omputer g								
3. INSTALLATION AND LOCATION			MMAND				5. ARE	A CONST	
		AIR FORCE					COST INDEX		
EDWARDS AIR FORCE BASE, CALIFO	RNIA		IEL CO	AMMC	ND.	1	1.	38	
	ANENT		UDENTS			PORT	ED		
	L   CIV						CIV	TOTAL	
a. As of 30 SEP 93 658 36	10 3376							7,644	
	49 3583	11			29	20	0 112		
	NVENTORY	DATA	(\$000	)					
a. Total Acreage: ( 301,928)									
b. Inventory Total As Of: (30	SEP 93)						653,45	6	
c. Authorization Not Yet In In							62,40	0	
d. Authorization Requested In	This Prog	gram:					7,05	0	
e. Authorization Included In Following Program: (FY 1996) 32,600									
f. Planned In Next Three Progr	am Years	:					25,80	0	
g. Remaining Deficiency:							•	0	
h. Grand Total:							781,30	6	
8. PROJECTS REQUESTED IN THIS	PROGRAM:	FY 1	995						
CATEGORY					COST	<u>D</u>	ESIGN	STATUS	
CODE PROJECT TITLE		5	COPE		(\$000	)	START	CMPL	
			-				<del>-</del>		
121-122 UPGRADE HYDRANT FUELI	NG SYSTE	M P	8,200	LF	2,50	0 A	PR 93	AUG 94	
311-115 F-22 ALTER ENGINEERIN	G TEST		50,500	SF	4,55	0 M	AY 93	JUL 94	
FACILITY				-		_		ľ	
<u> </u>			TOTAL		7,05				
9a. Future Projects: Include							96)		
311-114 RENOVATE AIRCRAFT MAI	NTENANCE	23	34,500	SF	7,80	10			
FACILITY						•		1	
311-114 F-22 ADD/ALTER ENGINE		10	7,000	SF	9,90	10		4	
AND DEVELOPMENT COMP	LEX								
721-312 DORMITORY COMPLEX			240		9,40			]	
821-115 CLEAN AIR ACT COMPLIA			24	EA	4,00				
871-183 UPGRADE STORM DRAINAG	E SYSTEM			LS	1,50				
			TOTAL		32,60	0			
9b. Future Projects: Typical								ĺ	
121-122 UPGRADE HYDRANT FUELI			18,000					}	
311-114 RENOVATE AIRCRAFT MAI	NTENANCE	18	35,000	SF	7,60	0		į	
FACILITY						_			
813-231 ADD TO AND ALTER ELEC				LS	12,40	00			
DISTRIBUTION SYSTEM,									
10. Mission or Major Function									
responsible for flight test ac	tivities	for a	ati În2'	AF a:	ırcrai	t an	d rela	ted	
avionics, flight control, and	weapons	syster	ns (pr	ımar	y test	air	craft	]	
include B-1, B-2, C-17, C-23,	F-15, F-	16, F	-117,	F-22	, AC-1	.30,	DA-37,	T-38	
& UH-1); Air Force Test Pilot	school; a	and As	trona	utic	s Dire	ctor	ate of	the	
Phillips Laboratory. Major te	nants in	clude	US Arı	my A	viatio	n En	gineer	ing	
Activity; NASA Ames Dryden Fli	ght Resea	arch l	acılı	ty;	and Je	t Pr	opulsi	on	
Laboratory test facility. Als						ce s	<u>huttle</u>	·	
11. Outstanding pollution and	safety	(USH)	defic	1 enc	es:				
A									
a. Air pollution:							8,000		
b. Water pollution:							5,300		
c. Occupational safety a	nd healti	h:						1	
d. Other Environmental:			<del></del>				9,300		

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE UPGRADE HYDRANT FUELING SYSTEM EDWARDS AIR FORCE BASE. CALIFORNIA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 7.80.56 121-122 FSPM953700 2.500 9. COST ESTIMATES UNIT COST U/M | QUANTITY COST (\$000) ITEM UPGRADE HYDRANT FUELING SYSTEM 8,200 220 1,804 SUPPORTING FACILITIES 330 UTILITIES LS 80) 50) SITE IMPROVEMENTS LS LS LEAK DETECTION SYSTEM 200) SUBTOTAL 2,134 CONTINGENCY (10%) 213 TOTAL CONTRACT COST 2.347 SUPERVISION, INSPECTION AND OVERHEAD (6%) 141 TOTAL REQUEST 2,488 TOTAL REQUEST (ROUNDED) 2,500 10. Description of Proposed Construction: Upgrade hydrant fuel system to meet 1998 California standards for underground high pressure fuel systems. Install double-wall pipe and a leak detection system; provide O&M manual and necessary support. 11. REQUIREMENT: 12,400 LF ADEQUATE: 4,200 LF SUBSTANDARD: PROJECT: Upgrade hydrant fueling system. (Current Mission) REQUIREMENT: This is a Level II environmental compliance requirement. The California Code of Regulations, Title 23, Chapter 16, para. 25281(k) and 25292(e) requires underground high pressure fuel systems be retrofitted with secondary containment (i.e. double-walled, monitored pipe) by December 1998. The hydrant fuel system servicing the large aircraft parking apron is a pressurized fuel system, and will be required to meet the new standards. CURRENT SITUATION: Except for 4200 linear feet of piping provided by the FY93 Military Construction Program, the existing hydrant fuel system consists of 6-14 inch single wall fiberglass piping installed in 1972. This system has no provision for leak detection or spill containment as required by the California Code of Regulations. The pipeline conveys fuel from a commercial supply point through the operating storage tanks to fuel dispensing outlets on the aircraft parking apron. IMPACT IF NOT PROVIDED: This base will continue to pose a threat of contaminating the ground water with hazardous petroleum products. After 1998, continued use of this pipeline will expose the Air Force to possible litigation. Alternatively, shutdown of the pipeline will severely impact this center's flight test mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However,

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DA (computer generated)	TA 2. DATE
	ION AND LOCATION  FORCE BASE, CALIFORNIA	
4. PROJECT T		5. PROJECT NUMBER FSPM953700

this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission and regulatory requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT D	ATA 2. DATE	
IR FORCE	(computer generated)		
. INSTALLATIO	N AND LOCATION		
DWARDS AIR FO	RCE BASE, CALIFORNIA		
. PROJECT TIT	LE	5. PROJECT NUM	BER
DCDARF HVRDAN	IT FUELING SYSTEM	FSPM953700	
I GRADE III DRAIN	1 FOLDING SISIEN	F3FH933700	
2. SUPPLEMEN	TAL DATA:		
a. Estimate	ed Design Data:		
(1) Sta	itus:		
	Date Design Started	93 APR	15
	Parametric Cost Estimates used to develop		N
	Percent Complete as of Jan 1994		35%
	Date 35% Designed.	93 OCT	
(e)	Date Design Complete	94 AUG	01
(2) Bas	is:		
	Standard or Definitive Design -	МО	
	Where Design Was Most Recently Used -	N/A	
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):	(4)	000)
	Production of Plans and Specifications	\4	50
	All Other Design Costs		54
	Total		104
(0)	Contract		
• •	CONCLACE		
(d)	In-house		104
(d) (e)		95 .	- •
(d) (e)	In-house		_ •
(d) (e) (4) Con	In-house	95 .	_ •
(d) (e) (4) Con . Equipment	In-house struction Start associated with this project will be provide	95 .	- •
(d) (e) (4) Con . Equipment	In-house	95 .	_ •
(d) (e) (4) Con . Equipment	In-house struction Start associated with this project will be provide	95 .	- •
(d) (e) (4) Con . Equipment	In-house struction Start associated with this project will be provide	95 .	_ •
(d) (e) (4) Con . Equipment	In-house struction Start associated with this project will be provide	95 .	- •
(d) (e) (4) Con . Equipment	In-house struction Start associated with this project will be provide	95 .	_ •

1. COMPONENT  FY 1995 MILITARY CONSTRUCT  AIR FORCE (computer gene	
3. INSTALLATION AND LOCATION  EDWARDS AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE F-22 ALTER ENGINEERING TEST FACILITY
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PRO	

FSPM923522

COST ESTIMATES UNIT COST (\$000) U/M QUANTITY COST ITEM 50,500 52 F-22 ALTER ENGINEERING TEST FACILITY 2,626 SUPPORTING FACILITIES 1,280 ENTRY CONTROL, FENCE, AND ALARMS LS 600) SCIF/SAR IMPROVEMENTS LS 530) UTILITIES LS 100) **PAVEMENTS** LS 50) SUBTOTAL 3,906 CONTINGENCY (10%) 391 TOTAL CONTRACT COST 4,297 SUPERVISION, INSPECTION AND OVERHEAD (62) 258 4,555 TOTAL REQUEST TOTAL REQUEST (ROUNDED) 4,550

10. Description of Proposed Construction: Alter ceiling, wall, floor, and mechanical/electrical systems; provide Sensitive Compartmented Information Facility (SCIF) area, install security systems and fencing, upgrade utilities and provide necessary support.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 1,329,700 SF ADEQUATE: 353,600 SF

311-115

SUBSTANDARD: 976,100 SF

6.42.39

PROJECT: Alter an F-22 engineering test facility. (New Mission)
REQUIREMENT: The Air Force Flight Test Center requires a secure and modern aircraft maintenance and testing facility to house and conduct testing of the first F-22 Advanced Tactical Fighter (ATF) in FY96. The Engineering and Manufacturing Development (EMD) phase of the F-22 program includes a total of nine aircraft that will all be delivered to Edwards AFB by 1999. This facility will house the main flight test engineering staff and provide maintenance bays for the first EMD test aircraft which will be delivered in FY96. It must also provide a centralized secure area with Special Access Required (SAR) security requirements. The reliability and maintainability of each subsystem as well as the operational capability of the total weapon system will be assessed.

CURRENT SITUATION: There are no existing hangars at Edwards AFB that have the proper electrical and mechanical systems to support testing, repairs, calibration, and trouble-shooting of the advanced F-22 instrumentation and avionics systems. Existing facilities also do not meet SAR security requirements.

IMPACT IF NOT PROVIDED: The Air Force will be forced to delay and slow the scheduled F-22 test activities, resulting in millons of dollars in cost growth and delaying start of production and initial operational

4,550

5.	PROJECT NUMBER FSPM923522
	5.

capability.

ADDITIONAL: There is no criteria/scope for this project in either Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Two follow-on MILCON projects, programmed for FY96 and FY97, will provide facilities to support the remaining EMD aircraft on a just-in-time schedule.

Ti composers	n I	2. DATE							
1. COMPONENT	3								
ATD PODCE	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	^							
AIR FORCE	(computer generated)								
3. INSTALLA	TION AND LOCATION								
POWADOC ATD	FORCE BASE, CALIFORNIA								
4. PROJECT		5. PROJECT NUMBER							
4. PRODECT		3. TROODOT NOIDER							
F-22 ALTER	ENGINEERING TEST FACILITY	FSPM923522							
12. SUPPLE	ENTAL DATA:	{							
		Į.							
a. Estim	ated Design Data:	!							
		1							
(1)	Status:	}							
(	a) Date Design Started	93 MAY 24							
	b) Parametric Cost Estimates used to develop of	costs Y							
1 (	(c) Percent Complete as of Jan 1994								
	(d) Date 35% Designed.								
	e) Date Design Complete	94 JUL 25							
		1							
1	Basis:								
	a) Standard or Definitive Design -	NO							
	b) Where Design Was Most Recently Used -	N/A							
1									
1	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)							
	Production of Plans and Specifications	270							
	o) All Other Design Costs	145							
	c) Total	415							
·	i) Contract	287 {							
(	e) In-house	128							
		_: ]							
(4)	Construction Start	94 DEC							
<b>[</b>		į							
b. Equipme	or associated with this series will be secured.	4 6							
	nt associated with this project will be provide	ed from							
ocner appro	priations: N/A	į							
		1							
		}							
Ì		i							
{		<b>\</b>							
		ţ							
		[							
		j							
1									
}									
}		j							
L									

1. COMPON		Y 1995 MILITARY CO	NSTRIK	TION	PROCE	RAM .	2.	DAT	Έ
AIR FORCE	i i	(computer			KOOI	Odri			
	LATION AND			MMAND			5	ARF	A CONST
J. INJINI	, millon 1410	DOMITON		OBILI?	rv		15.		T INDE
TO AUTO AT	D PODCE DAG	E CALLEODNIA	COMM				1		
		E. CALIFORNIA	<del></del>						25
6. PERSON		PERMANENT		TUDENTS			PORTED		
STRENC		OFF ENL CIV			CIV	OFF		CIA	TOTAL
	30 SEP 93	1113 5997 2040		411		5	16		9,759
b. End FY	1999	1114 5832 1978				5	16		8,94
		7. INVENTORY	DATA	(\$000)					
	Acreage: (								
b. Invent	ory Total A	s Of: (30 SEP 93)	)				45	0,10	12
		Yet In Inventory:					6	0,17	0
		uested In This Pro						3,60	
		luded In Following		ram:	(FY	1996)		6,50	
		hree Program Years				- , , ,		8,26	
	ning Deficie		• •					0,20	0
		iicy.					5.4	0 42	_
h. Grand		D IN THIS DOORDAY	. PV	1995				8,63	2
	.13 KEQUESTE	D IN THIS PROGRAM	. ri .	133)		cc	r	T 62.	CT 4 TT-C
CATEGORY				-200		COST			STATUS
CODE	PRC	JECT TITLE	3	SCOPE		<u>(\$000</u>	<u>)) ST</u>	ART	CMPL
		NG FACILITY			LS	1,30			SEP 9
721-312	<b>DORMITORY</b>				PN _	2,30		93	AUG 9
				TOTAL	<u> </u>	3,60	00		
9a. Futi		: Included in the		owing 1	Progr	ram (I	Y 1996	)	
141-753	SQUADRON OF	ERATIONS/AIRCRAFT	4	42,705	SF	8,90	00		
		E UNIT FACILITY		•		•			
721-312		ALTER DORMITORY		140	PN	5,30	00		
	ALTER DORMI			140		5,30			
		FICERS QUARTERS		100		7,00			
724 427	110111110 01	TIODED QUARTERS		TOTAL	-	26,50			
9b. Futi	re Projects	: Typical Planne	Nove			-20, J	<del>,,,</del>		
161-753	מו זמטן פנני	ATIONS COMPLEX		45,600			10		
		ING FACILITY		36,600					
			•	, 600					
		INING FACILITY	_		LS	9:			
		EASURING EQUIP LAI	8	8,500		1,80			
	DORMI TORY			<u> 186</u>		9,50			
10. Miss	sion or Majo	or Functions: Head	dquart	ers Fi	fteei	nth Ai	ir Forc	e; ε	ın
airlift v	ving which i	ncludes two C-5 as	nd two	C-141	squa	adrons	s; an A	ir F	orce
Reserve a	associate ai	rlift wing (C-5 as	nd C-14	41 air	craf	t); a	major	Air	Force
medical o	enter; and	the largest aeria	port	on the	e we	st coa	ast.		
		lution and safety							
a.	Air polluti	on:						C	)
ъ.	Water pollu							Č	
		l safety and healt	:h:					Č	
	Other Envir							ā	

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE FIRE TRAINING FACILITY TRAVIS AIR FORCE BASE, CALIFORNIA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) XDAT973500 4.18.56 179-511 1,300 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (s000) FIRE TRAINING FACILITY 1,050 SUPPORTING FACILITIES 125 LS UTILITIES 50) **PAVEMENTS** SY 1,300 31 40) SITE IMPROVEMENTS LS 35) SUBTOTAL 1,175 CONTINGENCY (52) 59 TOTAL CONTRACT COST 1,234 SUPERVISION, INSPECTION AND OVERHEAD (6%) 74 TOTAL REQUEST 1,308 TOTAL REQUEST (ROUNDED) 1,300

10. Description of Proposed Construction: Construct a fire training facility to include: a 100 foot diameter environmentally acceptable fire training area with a large frame aircraft simulator, a liquid propane gas (LPG) tank of a 1000 gallon water capacity equivalency, a 500 gallon JP-4 fuel storage tank, a fuel/water separator, and a lined effluent holding pond with pumps and piping systems.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance project. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122.26). This project constructs a training facility which meets CWA, Clean Air Act, and the Resource Conservation and Recovery Act (RCRA) requirements. The following features must be provided: impermeable liner below the burn area, fuel/water separator and nondischarging effluent holding pond to prevent contamination of soil and groundwater. Live fire training is an FAA established quarterly training requirement for the fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable environmental requirements.

CURRENT SITUATION: The existing live fire training facility does not meet the CWA requirements and has been closed since 1984. Since its closure, all fire training has been done simulating live fire. This facility is inadequate for use as a fire fighting training facility as defined by Air Force regulations. The current aircraft mock-up is smaller than the required size and is not accessible for multi-directional approaches creating an artificial environment which limits the quality of training.

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATI	ON AND LOCATION  RCE BASE, CALIFORNIA	
A PROJECT TI		PROJECT NIMBER

FIRE TRAINING FACILITY

XDAT973500

The existing facility does not have high-density polyethylene flexible membrane liners, a leak detection system, and spill containment capability. There are no environmentally approved live fire training facilities in the local area. Structural fire training is provided only when facilities are burned for purposes of demolition. The only aircraft fire training is provided through simulated live fire fighting exercises. This method allows for using water only during practice which does not replicate "real fire" conditions necessary for fire fighters to maintain required proficiency. Additionally, limited manning does not allow TDY to train at other bases while simultaneously providing sufficient crash and rescue coverage of the airfield. A remedial information feasibility study (RIFS) is being performed to determine what, if any, environmental clean-up actions are to be accomplished.

IMPACT IF NOT PROVIDED: The existing facility is closed because of previous violations of environmental requirements. Required live fire training for the assigned fire fighters is not available. Without the stress and realism that come only with live fires, the fire fighters lose proficiency in combating fires. The potential for loss of aircraft and life is increased.

ADDITIONAL: There are no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.

	ENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		
. INSTAL	LATION AND LOCATION	· · · · · · · · · · · · · · · · · · ·
TRAVIS AII 4. PROJEC	R FORCE BASE, CALIFORNIA	OJECT NUMBER
i. PROJEC	) . ra	COSECI NUMBER
FIRE TRAI	NING FACILITY XD	AT973500
12. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
	(a) Date Design Started	93 AUG 15
	(b) Parametric Cost Estimates used to develop costs	Y
	(c) Percent Complete as of Jan 1994	35%
	(d) Date 35% Designed.	93 NOV 15
	(e) Date Design Complete	94 SEP 15
(2)	Basis:	
	(a) Standard or Definitive Design -	YES
	(b) Where Design Was Most Recently Used -	SCOTT
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	
	(b) All Other Design Costs	10
	(c) Total	10
	(d) Contract	
	(e) In-house	10
(4)	Construction Start	
. Equip		94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
o. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
o. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
o. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC
. Equip	Construction Start  nent associated with this project will be provided fro	94 DEC

2. DATE COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE TRAVIS AIR FORCE BASE, CALIFORNIA DORMI TORY 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 721-312 XDAT953303R1 2,300 4.12.19 9. COST ESTIMATES

<u> </u>				
	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (60 PN)	SF	13,600	130	1,768
SUPPORTING FACILITIES		[		315
UTILITIES	LS			( 95)
SITE IMPROVEMENTS	LS			( 100)
PAVEMENTS	LS			( <u>120</u> )
SUBTOTAL		1		2,083
CONTINGENCY (5%)	-	1		104
TOTAL CONTRACT COST				2,187
SUPERVISION, INSPECTION AND OVERHEAD (6%)		Į į		<u> 131</u>
TOTAL REQUEST				2,318
TOTAL REQUEST (ROUNDED)				2,300
				i
	-			
	- 1			

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and other necessary support.

Air Conditioning: 40 Tons. Grade Mix: 54 E1-E4; 5 E5-E6; 1 E7-E9

11. REQUIREMENT: 2,923 PN ADEQUATE: 2,014 PN SUBSTANDARD: 1,639 PN PROJECT: Construct a dormitory. (New Mission)

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the

successful accomplishment of the increasingly complicated and important

jobs these people must perform.

CURRENT SITUATION: The Base Realignment and Closure, Round III (BRAC 93) decision realigned KC-10s to Travis. Subsequent to the closure decision the USAF decided to consolidate further by moving additional KC-10 aircraft to Travis. There are not enough dormitories to accommodate the additional unaccompanied enlisted personnel who will relocate to this base in support of this tanker realignment. By adding this requirement to the BRAC dormitory project a single facility can be constructed to satisfy both requirements. The current dormitory occupancy rate at Travis is 96 percent.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This is a companion project to the BRAC 93 Dormitory project XDAT953307 which

1. COMPONENT	2. DATE
1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA
AIR FORCE	(computer generated)
3. INSTALLATI	ON AND LOCATION
mn 41/10 A = = =	ARCE DAGE CALLEGRALA
4. PROJECT TI	TLE 5. PROJECT NUMBER
4. PROJECT II	J. PROJECT NUMBER
DORMITORY	XDAT953303R1
	220 dominor This project marks EVOS Forms
structure end	228 person dormitory. This project meets FY98 force
1	
}	·
}	
1	
1	

DD FORM 1391C, DEC 76

1. COMPONENT		2. DATE
AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DAT (computer generated)	'A
	ION AND LOCATION	
MDANIZO ATD B	THE DACE CALLECTRICA	
4. PROJECT T	DRCE BASE, CALIFORNIA	5. PROJECT NUMBER
TROUBUL I	• • • • • • • • • • • • • • • • • • • •	
DORMITORY		XDAT953303R1
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) S	tatus:	Ì
	Date Design Started	93 SEP 20
	Parametric Cost Estimates used to develop of	
	Percent Complete as of Jan 1994	15%
	) Date 35% Designed. ) Date Design Complete	94 APR 12 94 AUG 20
		34 AUG 20
(2) B		370
	) Standard or Definitive Design - ) Where Design Was Most Recently Used -	NO N/A
, ,	, where besign was nost Recently used	N/A
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	138
(ъ	) All Other Design Costs	102
1	Total	240
	Contract	200
(e	) In-house	40
(4) C	onstruction Start	95 FEB
	t associated with this project will be provide riations: N/A	ed from

1. COMPONENT							2. DAT	CE I
	1995 MILITARY CO	NSTRUC	TION I	PROGE	MAS			
AIR FORCE	(computer							
3. INSTALLATION AND L			MMAND				1	EA CONST
VANDENBERG AIR FORCE	BASE,	AIR E					1	T INDEX
CALIFORNIA	<del>, , , , , , , , , , , , , , , , , , , </del>		COMM					. 36
6. PERSONNEL	PERMANENT		UDENT			POR'		
STRENGTH	OFF ENL CIV		ENL	CIV	OFF	EN	L CIV	
a. As of 30 SEP 93	667 2650 1226							4,543
b. End FY 1999	609 2269 1223		(0000	<del></del>				4.101
Tabal Assessed (	7. INVENTORY 98,830)	DATA	(\$000					
a. Total Acreage: (b. Inventory Total As						1	,109,64	ا ه
c. Authorization Not						1	15,6	
d. Authorization Requ							6,5	
e. Authorization Incl	uded In Following	Progr	em.	(FV 1	1996)		15,50	
f. Planned In Next Th			· GIII ·	```	.,,,,,		39,20	
g. Remaining Deficien		-					,-	0
h. Grand Total:	•					1	,186,54	•
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY	995					
CATEGORY					COST	r i	DESIGN	STATUS
CODE PROJ	ECT TITLE	9	COPE		(\$000	<u>)</u>	START	CMPL
j								
179-511 FIRE TRAININ								AUG 94
824-464 SLFI - UPGRA				LS	5,00	)0 .	JUL 93	APR 94
DISTRIBUTIO	N SYSTEM		<b>mom</b> 4.7					
9a. Future Projects:	Included in the	F011	TOTAL		6,55		9961	
	CAL TEST AND		14,600				990)	
ANALYSIS LA		•	.4,000	31	4,00	טע		
212-213 ADD TO AND A		•	74,900	SE	9,50	n		1
MAINTENANCE		•	.,,,,,	••	,,,,			Ì
833-354 REGIONAL COM				LS	2,00	00		1
			TOTAL	-	15,50			j
9b. Future Projects:	Typical Planned	Next						
130-142 CONSOLIDATED	FIRE STATION		7,000	SF	2,00	00		1
171-476 COMBAT ARMS			5,000	SF				
	AINING CLASSROOM		25,000		24,00			
219-000 BASE ENGINEE			08,151			00		1
312-476 SATELLITE PR			8,600					
10. Mission or Major								
space wing (UH-1 heli	copters); and an	Air E	lucati	on a	nd Tra	ini	ng Comm	nand
space and missile tra		/oc::\						
11. Outstanding poll	ution and safety	(USH)	delic	1 enc	es:			
a. Air pollutio	n:							0
b. Water pollut							4,70	- 1
	safety and healt	h:					7,70	ň
d. Other Enviro							2,60	o l
							_,00	-
1								
								}
j								
}								
1								
<b></b>								]

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE FIRE TRAINING FACILITY VANDENBERG AIR FORCE BASE, CALIFORNIA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) XUMU850038 3.58.56 179-511 1,550 9. COST ESTIMATES COST UNIT U/M QUANTITY COST (\$000) ITEM 1,050 FIRE TRAINING FACILITY SUPPORTING FACILITIES 350 LS 50) UTILITIES LS 25) FUEL STORAGE TANK SITE PREPARATION LS 25) LS **PAVEMENTS** 250) SUBTOTAL 1,400 CONTINGENCY (5%) 70 TOTAL CONTRACT COST 1,470 SUPERVISION, INSPECTION AND OVERHEAD (62) 88 TOTAL REQUEST 1,558 TOTAL REQUEST (ROUNDED) 1,550 Description of Proposed Construction: Construct a fire training facility (FTF) to include a lined, environmentally acceptable fire training pit meeting seismic requirements, with a large frame aircraft simulator, a 1000 gallon liquefied petroleum gas tank, a water conservation pond, an oil/water separator, and a water pump and piping system. Also includes a paved access road to the new site. 11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. The old fire training pit did not meet the Clean Water Act requirements (40 CFR 122.26) and was closed (in 1989). Construct a crash fire training facility which meets Clean Water Act, Clean Air and RCRA requirements as applicable. Install an impermeable liner below the burn area, a separator, and a nondischarging water holding pond to prevent contamination of soil and groundwater. Live fire training is a quarterly training requirement established by the FAA to maintain a high level of proficiency for the fire fighters. It is Air Force policy to have a fire training facility, which both meets fire training requirements and complies with all applicable environmental requirements, located on every major Air Force installation. CURRENT SITUATION: The base has no fire training facility at present. The old, previously-used live-fire training facility violated US Environmental Protection Agency (EPA) regulations and was closed in July 1989. The old facility, which had no oil/water separator for water, foaming agents and unburned fuels, has been identified as an Installation Restoration Program (IRP) site. Vandenberg fire fighters must travel to

Edwards AFB to train, leaving the base undermanned during these periods

1. COMPONENT

FY 1995 MIL'TARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

VANDENBERG AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE

5. PROJECT NUMBER

FIRE TRAINING FACILITY

XUMU850038

because manning levels do not support TDY training. This training approach is not only ineffective in both frequency and quality, but it is also dangerous for Vandenberg, leaving the base less protected. Due to this lack of a proper training facility, Vandenberg fire fighters currently receive only minimal training - less than that required by Air Force Reg 92-1, with a resulting decline in crash fire fighting proficiency.

IMPACT IF NOT PROVIDED: Without the availability of on-base fire training, and the stress and realism of live fire conditions which it provides, fire fighting proficiency will continue to decline, and the potential for loss of life and Air Force property will continue to increase. The training of Vandenberg fire fighters at Edwards is an interim, makeshift work-around, and is not acceptable for long term practice. The solution of sending critically needed Vandenberg fire fighting personnel away for training will continue to jeopardize the base and the major launch complex at Vandenberg.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or AFM 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.

IR FORC	NENT		2. DATE
		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	A
		N AND LOCATION	
ANDENSE	DC ATD	FORCE BASE, CALIFORNIA	
. PROJE			5. PROJECT NUMBER
IRE TRA	INING	FACILITY	XUMU850038
2. SUP	PLEMEN	ITAL DATA:	
a. Es	timate	ed Design Data:	
(1	) Sta		
		Date Design Started	93 APR 19
		Parametric Cost Estimates used to develop co	
		Percent Complete as of Jan 1994 Date 35% Designed.	35% 93 JUL 19
		Date Design Complete	93 JUL 19 94 AUG 01
		•	, u
(2	) Bas		
		Standard or Definitive Design -	YES
	(b)	Where Design Was Most Recently Used -	TYNDALL
(3		al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	45
		All Other Design Costs	62
		Total	107
	(a)	Contract In-house	57
	(6)	in-nouse	50
(4	) Con	struction Start	94 NOV
		associated with this project will be provided ations: N/A	d from
ther ap	propri	actons. N/A	

. COMPONENT						2.	DATE
FY 1995 MILITARY CONSTRUCTION			CION PR	OJECT DATA	<b>A</b>		
IR FORCE		(comput	ter gene	ated)			·
. INSTALLATION	IAND	LOCATION		4. PRO	JECT TITL	3	
				SLFI -	UPGRADE I	NATURAL	GAS
		BASE, CALIFORI			BUTION SYS		
. PROGRAM ELEM	(ENT   6	. CATEGORY CODE	3 7. PRO.	JECT NU	MBER   8. 1	PROJECT	COST(\$000)
3.51.81		824-464		<u> 1950004</u>			5,000
		9. COS	ST ESTIM	<u> TES</u>	<del>,</del>		· · · · · · · · · · · · · · · · · · ·
					1	UNIT	COST
		ITEM		א/ַט	QUANTITY	COST	(\$000)
LFI - UPGRADE	NATUR	AL GAS DISTRIBU	JTION	- [			
YSTEM				LS			4,293
UPGRADE LINES	3			LF	183,000	21	1
CATHODIC PROT	rectio	)N		LS		ĺ	(_450
SUBTOTAL					}	}	4,293
CONTINGENCY (10	) <b>Z</b> )				1	}	429
TOTAL CONTRACT	COST				Į.	1	4,72°
SUPERVISION, IN	ISPECT	TION AND OVERHEA	AD (6%)		[	ļ	283
TOTAL REQUEST						į	5,005
TOTAL REQUEST (	ROUND	DED)			1		5,000
-							
				l l	Į.	<b>,</b>	1
				1	1		1

10. Description of Proposed Construction: Replace/upgrade deteriorated natural gas distribution system on the main base area and interconnect the north and south base distribution systems. The work includes gas lines, valves, meters, pressure regulators, and cathodic protection.

11. REQUIREMENT: As required.

PROJECT: Upgrade the natural gas distribution system. (Current Mission) REQUIREMENT: This is a Space Launch Facilities Infrastructure (SLFI) requirement. A reliable natural gas distribution system is needed to provide heat and power for spacelift support facilities. The work includes replacement and upgrading of the old, leaking natural gas distribution system on the main part of the base; and provides a redundant supply for north and south base by interconnecting those two currently existing and separate systems. Redundancy is needed to insure that backup generation capability is sustained during launch operations should a failure occur in the supply line.

CURRENT SITUATION: The major portion of Vandenberg's existing natural gas system, which is located primarily in the main base area, is over 45 years old, undersized, and unsafe. During 1992, 25 leaks occurred (typically 1 or 2 per year occur at other bases), and 12 of these created a hazardous condition requiring immediate attention. The system has deteriorated to the point that it is a fire and safety hazard, and causes disruptions in service to critical launch facilities which provide support for mission-critical launch requirements. Use of natural gas to produce heat, steam, and backup power is less expensive than commercial electricity.

IMPACT IF NOT PROVIDED: Ruptures in the existing natural gas system pipes could shut down a portion of the gas supply grid, seriously impacting the missile/space launch mission. Potentially serious gas-related fires and

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  VANDENBERG AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE 5 SLFI - UPGRADE NATURAL GAS DISTRIBUTION SYSTEM	PROJECT NUMBER XUMU950004

explosions could occur, exposing personnel to the risk of serious injury or death.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or AFM 86-2, "Standard Facility Requirements". All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, an exception to an economic analysis has been requested. Project has been considered for FY98 force structure end strength.

1. COMPONENT		2. DATE
AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
	ION AND LOCATION	<del></del>
VANDENBERG A	IR FORCE BASE, CALIFORNIA	
4. PROJECT T		PROJECT NUMBER
SLFI - UPGRA	DE NATURAL GAS DISTRIBUTION SYSTEM	XUMU950004
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) s	tatue'	
	) Date Design Started	93 JUL 19
	) Parametric Cost Estimates used to develop cost	
	Percent Complete as of Jan 1994	100%
	) Date 35% Designed.	93 OCT 14
(e	) Date Design Complete	94 APR 01
(2) B		
	) Standard or Definitive Design -	Ю
(Ъ	) Where Design Was Most Recently Used -	N/A
	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	300
	) All Other Design Costs	84
	) Total	384
	Contract	330
(e	) In-house	54
(4) C	onstruction Start	94 NOV
	t associated with this project will be provided friations: N/A	from

1. COMPONENT		<del></del> -			<del></del> -	12	DAT	· F	
I I	1995 MILITARY	CONSTRU	CTION I	PROGR	LAM	2.	DAI	E	
AIR FORCE		er gener				1			
3. INSTALLATION AND L		4. C	OMMAND			5.		A CON	
CLASSIFIED LOCATIONS								T INI	EX
OUTSIDE THE UNITED ST.							<u>0</u> .	00	
6. PERSONNEL	PERMANENT		TUDENT			ORTED			_ \
STRENGTH	OFF ENL C	IV OFF	ENL	CIA	OFF	ENL C	IV	TOTA	T
a. As of 30 SEP 92 b. End FY 1998									- 1
D. End F1 1996	7. INVENT	ORY DATA	(snnn	<del>├</del> ──					
a. Total Acreage: (	0)	OKI DILI.	1000				-		
b. Inventory Total As		92)						0	
c. Authorization Not								0	
d. Authorization Requ	ested In This	Program:				6	,19	1	1
e. Authorization Incl			ram:	(FY 1	1996)	4	,17	6	l
f. Planned In Next Th		ars:				59	,22	6	
g. Remaining Deficience	cy:							0	
h. Grand Total:	TH THIS DROOP	AM. DV	1005			69	59	3	
8. PROJECTS REQUESTED CATEGORY	in inis PROGR	MM: FY	1232		COST	DEC!	CN	CTATI	,
I	ECT TITLE		SCOPE		(\$000)			STATI	_ ,
<u>FROS</u>	CCI IIILE		SCOPE		730007	314	74.1	CMI	그는
100-000 SPECIAL TACT				LS	2,141				
DETACHMENT 1 217-742 WAR READINES			10,000	CE	1 200	WAW	02	WAV	~
\ · · · · · · · · · · · · · · · · · ·	MANAGEMENT FA		10,000	21	1,300	MAI	92	MAY	94
	S MATERIEL MED		18,000	SF	2 100	MAV	92	MAV	94
STORAGE FAC		10111	10,000	01	2,100	IIAI	,_	IIII	77
	S MATERIEL OPE	N	62,000	SF	650	MAY	92	MAY	94
			TOTAL	: -	6,191	•			j
9a. Future Projects:	Included in	the Foll	owing	Progr	am (FY	1996)	)		
100-000 HAVE STARE R				LS	1,000				1
100-000 SPECIAL TACT				LS	3,176				l
DETACHMENT 1	FACILITY			_					Ī
Oh Putura Director	T		TOTAL		4,176				
9b. Future Projects: 11. Outstanding polls	Typical Plan	nea Next	Inree	Year	rs:				
Tr. Ourscanding horr	ucion and sale	ry (OSE)	del 1C	reuc ;	.es:				İ
a. Air pollution	n:						0		-
b. Water pollut							0		-
c. Occupational	safety and he	alth:					0		- 1
d. Other Environ							0		
									1
									}
									ļ
									1
									ļ
									- 1

1. COMPONENT	EV 1005 MILITARY	CONCADIICA	. COMPONENT 2. DATE  FY 1995 MILITARY CONSTRUCTION PROJECT DATA							
AIR FORCE	(comput	ter gener	rated)							
3. INSTALLATION	AND LOCATION		4. PRO							
CLASSIFIED LOCATI	ION		DETACH							
5. PROGRAM ELEMEN	NT 6. CATEGORY COD	E 7. PRO.	JECT NUI	MBER	8. 1	ROJECT	COST(\$000)			
2.72.48	100-000	PAY	2954443				2,141			
		ST ESTIM								
	ITEM		U.M	QUAN'	ri Ty	UNIT	(\$000)			
SPECIAL TACTICAL										
FACILTIY		LS				2,141				
SUBTOTAL TOTAL CONTRACT CO	OST			ļ			2,141 2,141			
TOTAL REQUEST							2,141			
TOTAL REQUEST (RO	OUNDED)						2,141			
				1						
				1			1			
			1	1						
				İ		1	1			
			l	ĺ						
				ŀ						
				Ì						
10. Description	of Proposed Const	ruction:	Const	ruct	a Spe	cial Ta	ctical			
Unit Detachment   11. REQUIREMENT						<del></del>				
	ecial Access Requi:	red.								
							ļ			
İ										
İ										
}										
	•									

1. COMPONENT					2	. DAT	E	
AIR FORCE	95 MILITARY COM computer_			DGRAM			İ	
3. INSTALLATION AND LOCA		4. CO			- 5	ARE	A CONST	
J. Imilabilition in Dogs.		AIR F				COST INDEX		
PETERSON AIR FORCE BASE,	COLORADO	t .	COMMANI	D	1	1.		
					PORTE			
STRENGTH	FF ENL   CIV	OFF	ENL C	IV OFF	ENL	CIV	TOTAL	
a. As of 30 SEP 93 13	04 1828 1559	8	7	1			4,707	
b. End FY 1999 12	20 2018 1710	8	7	1			4,964	
	7. INVENTORY	DATA	(\$000)					
a. Total Acreage: (								
b. Inventory Total As Of						55,17		
c. Authorization Not Yet						42,00		
d. Authorization Request			<i>a</i>			1,75		
e. Authorization Include			am: (F	Y 1996)		16,23		
f. Planned In Next Three	_	•				22,80		
g. Remaining Deficiency:					•		0	
h. Grand Total: 8. PROJECTS REQUESTED IN	TUTE DECEMANT	EV 1	905			37,96	<u>-</u>	
CATEGORY	IIII3 FROORAM.	ri I	,,,	COST	י ה	STON	STATUS	
	TITLE	S	COPE	(\$000		TART	CMPL	
		_		1433.	<u> </u>		<u> </u>	
411-135 UNDERGROUND FUE	EL STORAGE TANK		33 E. TOTAL:	A <u>1.75</u> 1.75		IG 93	JUN 94	
9a. Future Projects: 1	ncluded in the					6)		
141-459 COMMAND AND COM			1,500 S			,		
FACILITY			-,	. ,,,,,				
610-249 CONSOLIDATED WI		3	2,000 S	F 5,00	10			
721-312 ADD TO AND ALTE			134 P	N 3,40	0			
			TOTAL:				ļ	
9b. Future Projects: 1	Typical Planned	Next	Three Y	ears:				
130-142 FIRE SUBSTATION				F 1,40				
442-758 BASE SUPPLIES 8								
610-128 CONSOLIDATED PE		4						
721-312 UNACCOMPANIED E			422 P	N 11,80	0			
PERSONNEL HOUS	ING		<del></del>					
10. Mission or Major Fu								
Command; Headquarters Ai Air Defense Command; Spa								
aircraft); and an Air Fo							C-21	
11. Outstanding polluti					crart	1.		
	and satety							
a. Air pollution:						0	,	
b. Water pollution	n:					Ö		
c. Occupational sa		h:				Ō		
d. Other Environme						0		
l								
<del></del>	<del></del>							

1. COMPONENT						2	. DATI	3
	FY 1995 MILITARY C	ONSTRUC:	CION PI	ROJECT I	DATA	A		
AIR FORCE		er gene						
3. INSTALLATION A	ND LOCATION		4. PR	DECT T	TLE	3		
	B B 4 6 B 6 C C C C A D C A D C		IDIDED	anaina i	MT 175 6		an m.	710
	E BASE, COLORADO T 6. CATEGORY CODE			ROUND I				
). PKUGKAN ELEMEN	1 0. CATEGORY CODE	/. PRU	JECI N	INDEK (	o. ,	PROJECT	COST	(\$000
3.58.56	411-135	TOK	A93301	,			1,7	ξΛ
3.30.30		T ESTIM					4,7	
			1			UNIT	C	OST
	ITEM		ען.	QUANT	TY	COST	(\$0	000)
UNDERGROUND FUEL	STORAGE TANKS		EA	Ţ <u>-</u>	33			934
UNDERGROUND STO	rage tanks		EA		11		0 (	550
ABOVEGROUND STO	RAGE TANKS		EA		2	20,00		40
ABOVEGROUND STO			EA	1	1	230,00		
TANK REMOVAL/DI			EA	1	19	6,00	0 (	
SUPPORTING FACILI	TIES							565
UTILITIES			LS					15
SITE IMPROVEMEN			LS				}	50
SOIL REMEDIATIO SUBTOTAL	N		LS	j			1	500
SUBTUTAL CONTINGENCY (10%)				1			1 4	1,499
CONTINGENCI (102) TOTAL CONTRACT CO	ሮጥ		-			Ì	;	150
	ECTION AND OVERHEA	D (67)	1				1 -	1,649
TOTAL REQUEST	ECTION AND CARRIED	D (0A)	]				;	<u>99</u> 1,748
TOTAL REQUEST (RO	1	ì				1,750		
			}				1 '	-,,,,
							-	
							[	
	of Proposed Constr							

10. Description of Proposed Construction: Remove 19 storage tanks, install 11 new UST, 2 small AST and one 210,000 gallon AST. Install new tanks, lines, pumps, and dispensers. Includes containment, overfill protection, and leak detection systems, soil remediation, site work, utilities and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Remove and replace underground fuel storage tanks. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. All storage tanks which are regulated by 40 CFR 280 are required to be upgraded to new construction standards. The Environmental Protection Agency (EPA) has set standards that require all regulated tanks to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998.

CURRENT SITUATION: Nineteen existing tanks are identified in the scope of this project: 18 vary in size from 500 gal to 15,000 gal, and one tank has a 210,000 gal capacity. Tank integrity is currently monitored by monthly inventory reconciliation and annual tightness testing. These measures may only be used until Dec 1998, by which time the tanks must have been upgraded. No measures are currently implemented to reliably meet overfill protection and leak containment criteria.

IMPACT IF NOT PROVIDED: Without replacement and/or removal, tanks at Peterson AFB will be out of compliance with 1998 deadlines and subject to legal penalties. In addition, the soil in the vicinity of these tanks is likely to be contaminated, a further violation of regulatory standards. Also, failure to comply with new requirements will, in the case of leaking tanks or contaminated soil, result in health hazards.

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	ra
AIR FORCE	(computer generated) ION AND LOCATION	
J. INSTALLAT	ION AND LOCATION	
PETERSON AIR	FORCE BASE, COLORADO	
		5. PROJECT NUMBER
}		
UNDERGROUND	FUEL STORAGE TANKS	TDKA933010
4. PROJECT T  UNDERGROUND  ADDITIONAL: Military Hand project will	ITLE	TDKA933010 in Part II of de". This des at this
		1
		1
		Ì

COMPONI	INT		2. DATE
	1	PY 1995 MILITARY CONSTRUCTION PROJECT DATA	
R PORCE		(computer generated)	<u> </u>
INSTAL	LATIO	ON AND LOCATION	
		ORCE BASE, COLORADO	
PROJECT	r tit	TLE 5. PI	ROJECT NUMBER
DERGROUI	ND PU	JEL STORAGE TANKS TI	XA933010
2. SUPPI	LEMEN	ITAL DATA:	
a. Est	imate	ed Decign Data:	
(1)	Sta	itus:	
	(a)		93 AUG 16
		Parametric Cost Estimates used to develop costs	3
		Percent Complete as of Jan 1994	657
		Date 35% Designed.	93 OCT 0
	(e)	Date Design Complete	94 JUN 17
(2)	Bas	sis:	
		Standard or Definitive Design -	NO
	(b)	Where Design Was Most Recently Used -	N/A
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	105
	(b)	All Other Design Costs	110
	(c)	Total	221
	(q)	Contract	132
	(e)	In-house	89
(4)	Con	nstruction Start	94 OC
. Equip	nent	associated with this project will be provided from	om.
		ations: N/A	

1. COMPONENT							2	. DAT	E
FY	1995 MILITA				ROGE	MAJ			
AIR FORCE		outer ;							
3. INSTALLATION AND LO	CATION		3	MHAND			5		A CONST
			i	OBILIT	ΓY		1		T INDEX
DOVER AIR FORCE BASE,			COMMA						03
6. PERSONNEL	PERMANI			UDENTS			PORTE		
STRENGTH	OFF ENL								TOTAL
a. As of 30 SEP 93	380 3816	1		414 13			17 11	1 1	
b. End FY 1999	396 3670 7. INVI				-	1	11	2	5,325
a. Total Acreage: (	3,936)	INJUNI	DAIN	(3000					
b. Inventory Total As		EP 43)					2	14,74	.1
c. Authorization Not	et In Inve	ntory:						31,01	
d. Authorization Requi			gram:					4,60	
e. Authorization Incli	ided In Fol	lowing	Progr	am:	(FY I	996)		80	
f. Planned In Next Th								24,55	0
g. Remaining Deficience	:y:								0
h. Grand Total:							2	75,70	)1
8. PROJECTS REQUESTED	IN THIS PRO	OGRAM:	FY 1	.995					
CATEGORY			_			COST			STATUS
<u>CODE</u> <u>PROJ</u>	ECT TITLE		<u> </u>	COPE		<u>(\$000</u>	) §	TART	CMPL
TO STO DODUTTONY				70	DM	<i>l.</i> 60	n 111	מ זו	OCT 04
721-312 DORMITORY				TOTAL	_		_	IL 33	OCT 94
9a. Future Projects:	Included	in the	Follo					6)	
610-121 VEHICLE OPER			10110	4,100	SF	80	n in	,	
Old III Villiand of Dec		•		TOTAL	-	80			
9b. Future Projects:	Typical P	lanned	Next						
130-142 FIRE/CRASH R				4,500			0		
141-454 SPECIAL OPER	ATIONS			20,000			0		
141-753 SQUADRON OPE			T 4	42,303	SF	6,60	0		
MAINTENANCE							_		
721-312 JNACCOMPANIE					PN	4,40			
740-674 ADD TO AND A		AL	-	19,600	SF	2,90	IU		
FITNESS CEN 10. Mission or Major		An a	i ~ l i f i	wine	szb i d	ch inc	ludos	thre	00 C=5
squadrons; an Air For									5C U-)
largest aerial port o									use
airfield.	6436		-11.3	-, <del>-</del> J	J - ** -		y/ C		
11. Outstanding poll	ution and s	afety	(OSH)	defic	ienc	ies:			
		•							
a. Air pollutio								(	)
b. Water pollut		_ =							0
c. Occupational		healt	h:						0
d. Other Enviro	nmental:							(	D

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE DOVER AIR FORCE BASE, DELAWARE DORMITORY 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 4.18.96 721-312 FJXT963001 4,600 9. COST ESTIMATES UNIT COST (\$000) ITEM U/M QUANTITY COST DORMITORY (79 PN) 27,200 2,666 SUPPORTING FACILITIES 1,495 LS UTILITIES ( 225) LS SITE IMPROVEMENTS 150) SY 5,000 **PAVEMENTS** 35 175) SF 105,000 945) DEMOLITION SUBTOTAL 4,161 CONTINGENCY (5%) 208 TOTAL CONTRACT COST 4,369 SUPERVISION, INSPECTION AND OVERHEAD (6%) 262 TOTAL REQUEST 4,631 TOTAL REQUEST (ROUNDED) 4,600 Description of Proposed Construction: Reinforced concrete foundation and floor slabs, structural frame, masonry walls and sloped metal roof. Includes room-bath-room modules, laundries, storage and lounge areas, demolition and asbestos removal/disposal, and necessary support. Air Conditioning: 100 Tons. Grade Mix: 22 E1-E4; 57 E5-E6. 11. REQUIREMENT: 979 PN ADEQUATE: 775 PN SUBSTANDARD: 1,136 PN PROJECT: Construct a dormitory. (Current Mission) **REQUIREMENT:** A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: There are currently not enough adequate dormitories to meet the billeting requirements for unaccompanied enlisted personnel at this base. Substandard facilities to be replaced are modular facilities which do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. Upon completion of this project, all dormitories at this base will meet DoD standards. This project includes the demolition of fourteen substandard facilities totalling 104,963 square feet. The current dormitory occupancy rate at Dover is 98 percent. IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity and career satisfaction of the enlisted force will continue to be degraded. ADDITIONAL: This project meets the criteria/scope specified in Part II of

Military Handbook 1190, "Facility Planning and Design Guide". An economic

	1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PRO	OJECT DA	1	2. DATE
4	AIR FORCE	(computer generated)			
		ON AND LOCATION  RCE BASE, DELAWARE			
	4. PROJECT T			5. PRO	JECT NUMBER
1	DORMITORY			FJX	T963001

analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Project has been considered for FY98 force structure end strength.

1. COMPONE	NT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE					
AIR FORCE		(computer generated)						
3. INSTALI	ATION	AND LOCATION						
DOUBD ATD	BUDUE	BASE, DELAWARE						
4. PROJECT			5. PROJECT NUME	ER				
	,	]						
DORMITORY			FJXT963001					
12. SUPPL	.EMENT	AL DATA:						
a. Esti	.mated	Design Data:						
(1)	Stati	us:						
	(a) Date Design Started							
		Parametric Cost Estimates used to develop co		Y				
		Percent Complete as of Jan 1994		15%				
		Date 35% Designed. Date Design Complete	94 JAN 94 OCT					
	(6)	nare negram combiere	34 UCI	υı				
(2)	Basis							
	(a) Standard or Definitive Design -							
	(b) (	Where Design Was Most Recently Used -	N/A					
(3)	Tota	1  Cost  (c) = (a) + (b)  or  (d) + (e):	(\$0	100				
		Production of Plans and Specifications	•	76				
		All Other Design Costs	1	60				
	(c) Total							
		Contract	4	00				
	(e) .	In-house		36				
(4)	Const	truction Start	94 D	EC				
. Equipm	ent as	ssociated with this project will be provided tions: N/A	d from					

	NENT	1995 MILI	TARY COL	NSTRUC	TION E	PROGR	LAM	2	. DAT	E
AIR FORC	1		mputer s							
	LLATION AND L				MMAND			5	. ARE	A CONS
	AVERAL AIR FO			AIR F						T INDE
FLORIDA			,	1	COMMA	AND		ł		98
6. PERSO	MIET	PERMA	NENT		UDENTS		CIID	PORTE		
	_	OFF ENL							CIV	TOTAL
STREN					ENL	CIA	UFF	ENL	101A	
	30 SEP 93	135 17				} )				50
b. End F	¥ 1999	138 17			(-000	<b>├</b> ──	<b></b>		4	51
	<del></del>		VENTORY	DATA	(\$000					
a. Total	Acreage: (	20,156)	>					_		
b. Inven	tory Total As	Of: (30	SEP 93)						33,85	
c. Autho	rization Not	Yet In Inv	entory:						63,45	
	rization Requ								10,45	
	rization Incl				am:	(FY 1	1996)		4,80	0
f. Plann	ed In Next Th	ree Progra	m Years	:					8,15	0
g. Remai	ning Deficien	cy:								0
h. Grand	Total:							6	20,70	)9
8. PROJE	CTS REQUESTED	IN THIS P	ROGRAM:	FY 1	995					
CATEGORY	•						COST	DE	SIGN	STATUS
CODE	PROJ	ECT TITLE		9	COPE		(\$000	. —	TART	CMPL
				-				-		
211-159	CORROSION CO	NTROL FACI	LITY		6.000	SF	1.70	0 JU	II. 93	APR 9
	DELTA LAUNCH				39,000	SF	7,00	ונ. ח	L 93	
	FACILITY		•	•	,,,,,,,,,,		.,00			901.
812-224		DE ELECTRI	CAT.			LS	1 75	O MA	v 03	AUG 9
012 224	DISTRIBUTIO		CRE			מנו	1,13	O FLA	11 93	AUU 9
	DISTRIBUTIO	N SISIEM			TOTAL		10.45	_		
9a. Fut	ure Projects:	Included	in the	Falle					41	
	FIRE TRAININ			rolle	MIIIR I	_			0)	
						LS	1,60			
890-272			OTITIIX			LS	3,20	U		
	CONTROL SYS	TEM				-		<del>-</del>		
		<del></del>			TOTAL		4,80	0		
	ure Projects:		Planned					_		
141-454	SATELLITE PR			3	30,000	SF	4,15	0		
	OPERATIONS									
	SEWAGE TREAT					LS	4,00			
10. Mis	sion or Major	Functions	: A spa	ace la	unch :	squad	iron a	nd sp	ace	
systems	squadron whic	h support	operation	onal a	and te	st la	aunche	s of	missi	les,
satellit	es, and space	vehicles	in equa	torial	and	synch	ronou	s orb	its.	·
Also, su	pports interp	lanetary s	pace act	tiviti	es, a	nd ma	jor t	enant	s suc	h as
NASA, an	d Army, Navy	and Coast	Guard w	nits.	•		-			
	standing poll					ienci	es:			
	• • • • • • • • • • • • • • • • • • • •		,							
a.	Air pollutio	n:							2,100	1
	Water pollut								7,000	
	Occupational		d heal+1	h·					7,000	_
	Other Enviro		- neart	•••					7	
u.	orner mivito	imicucat.							•	)

1. COMPONENT		ONSTRUCTION PROJECT	2. DATE					
AIR FORCE	DATA							
AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE CAPE CANAVERAL AIR FORCE STATION,								
FLORIDA		CORROSION C	ONTROL FACILITY					
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)					
3.58.56	211-159	DBEH953002	1,700					
9. COST ESTIMATES								

9. CUST ESTIMA	63			
			UNIT	COST
I TEM	U/M	QUANTITY	COST	(\$000)
CORROSION CONTROL FACILITY	SF	6,000	115	690
SUPPORTING FACILITIES	ļ	1	1	845
UTILITIES	LS			( 100)
PARKING	EA	25	1,600	( 40)
SITE IMPROVEMENTS	LS	ĺ		( 130)
DEMOLITION	SF	10,500	19	( 200)
VENTILATED PAINT BOOTH	LS			( <u>375</u> )
SUBTOTAL	Ī			1,535
CONTINGENCY (52)	- {	l		77
TOTAL CONTRACT COST				1,612
SUPERVISION, INSPECTION AND OVERHEAD (6%)	ļ		]	<u> </u>
TOTAL REQUEST	İ			1,709
TOTAL REQUEST (ROUNDED)	- 1			1,700
	l			·
	-			
	1			
	1			
	ĺ			

10. Description of Proposed Construction: A concrete frame structure, with a pitched, standing seam metal roof, and with split face or fluted masonry exterior walls. Interior areas include a blast room, paint spray booth, recycling and encapsulation area, crew room, rest rooms, special ventilation, maintenance area, air compressor room, fire detection and protection as required. Demolition of existing old facilities.

11. REQUIREMENT: 6,000 SF ADEQUATE: 0 SUBSTANDARD: 10,509 SF PROJECT: Construct a corrosion control facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. This facility is needed to provide control of fugitive paint, volatile particulates, and abrasive particulates, in compliance with Florida Department of Environmental Regulation 17-2 and the Federal Clean Air Act of 1990, both of which prohibit practices which allow particulates to become airborne. This project will replace, and consolidate, uncontrolled blasting activities which are currently operating at various base complexes. This project will also provide a single, central facility which will establish and maintain proper environmental controls and meet safety requirements.

CURRENT SITUATION: The existing sandblasting and painting operations at Cape Canaveral Air Force Station (CCAFS) are mainly accomplished in the industrial area; however, there are a number of uncontrolled blasting activities at the individual launch complexes. The open-air blasting results in silica concentrations exceeding OSHA standards and can damage sensitive equipment as well as pose a hazard to base personnel.

IMPACT IF NOT PROVIDED: The various open-air sandblasting (corrosion control) activities at CCAFS will continue to operate individually and

control) activities at CCAFS will continue to operate individually and inefficiently. They will continue to be out of compliance with Federal

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATE (computer generated)	TA	2. DATE
	ON AND LOCATION  AL AIR FORCE STATION, FLORIDA		
4. PROJECT T	TTROL FACILITY		DJECT NUMBER EH953002
	gulations, present poor working conditions and l, and have no ability to effectively recycle		

control air emissions and airborne particulates.

ADDITIONAL: The State of Florida has proposed more stringent regulations to be enacted in the near (2-5 years) future. When that happens, the Air Force will be in violation of state statutes, resulting in fines and penalties. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.

1. COMPONENT	· ·	2. DATE
AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
	ION AND LOCATION	
	AL AIR FORCE STATION, FLORIDA	·
4. PROJECT 1	TITLE 5. PRO.	JECT NUMBER
CORROSION CO	NTROL FACILITY DBE	H953002
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) 8	tatus:	
( &	) Date Design Started	93 JUL 20
	) Parametric Cost Estimates used to develop costs	Y
( (	) Percent Complete as of Jan 1994	35%
	) Date 35% Designed.	93 SEP 16
	) Date Design Complete	94 APR 22
(2) E		
	) Standard or Definitive Design -	NO
(t	) Where Design Was Most Recently Used -	N/A
(3) 7	otal Cost (c) = (a) + (b) or (d) + (e):	(0000)
		(\$000)
	) Production of Plans and Specifications	100
	) All Other Design Costs	73
	) Total	173
	) Contract	100
(€	) In-house	73
(4)	onstruction Start	94 DEC
		J. 3.50
b. Equipment other approp	t associated with this project will be provided from riations: N/A	

	CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION CAPE CANAVERAL AIR FORCE STATION,	4. PROJECT TITLE
FLORIDA	FACILITY DE 7. PROJECT NUMBER   8. PROJECT COST(\$000)

**DBEH953004** 

610-811

. 59. 96

9. COST ESTIMATES	<u> </u>			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DELTA LAUNCH OPERATIONS FACILITY	SF	39,000		3,930
TECHNICAL SUPPORT	SF	28,500	90	(2,565)
MISSILE OPERATIONS	SF	10,500	130	(1,365)
SUPPORTING FACILITIES				2,340
SITE IMPROVEMENTS	LS			( 120)
PAVEMENTS	LS			( 325)
UTILITIES	LS			( 600)
EXTERIOR SECURITY/ENTRY CONTROL	LS			( 350)
COMMUNICATIONS DUCTS	LF	17,200	55	( <u>945</u> )
SUBTOTAL				6,270
CONTINGENCY (5%)				314
TOTAL CONTRACT COST				6,584
SUPERVISION, INSPECTION AND OVERHEAD (6%)	İ			<u> 395</u>
TOTAL REQUEST				6,979
TOTAL REQUEST (ROUNDED)		[		7,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,000)
		}		

10. Description of Proposed Construction: Slab-on-grade, two story, concrete frame structure, precast concrete exterior walls, and single ply roof. Includes adequate parking, area lighting, utility connections, communications service, landscaping, and fire detection and protection. Air Conditioning: 120 Tons.

11. REQUIREMENT: 64,724 SF ADEQUATE: 25,724 SF SUBSTANDARD: PROJECT: Construct a Delta launch operations facility. (Current Mission) REQUIREMENT: This project will provide a safe and adequate permanent facility located outside the Launch Danger Area (LDA) to support Delta launch operations. A soft blockhouse will also be included to provide independent control and monitoring operations. Delta launch vehicles and personnel support the spacelifting of Global Positioning System (GPS) satellites, NASA payloads, and commercial satellites. Personnel perform the preflight process testing and erection of the launch vehicle, integration of spacecraft and launch vehicle, and vehicle launch control. CURRENT SITUATION: The Delta launch team (212 personnel) is operating out of temporary modular facilities which are located within the LDA, resulting in an extremely dangerous work situation. In 1991, a new type of launch vehicle motor was put into operation, requiring the LDA to be increased from 800 feet in diameter to 4,500 feet, and now all these modular facilities fall within this newer, larger LDA. The Department of Defense Explosives Safety Board (ESB) has directed that the Delta work force be relocated outside the LDA. Additionally, these temporary modulars are beyond their design life, have become maintenance intensive, and are nearly impossible to repair.

IMPACT IF NOT PROVIDED: Personnel will be subjected to serious risk of injury and possible loss of life during launches. Operations will be in

7,000

-	1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
	3. INSTALLATION	AIR FORCE STATION, FLORIDA	
•	4. PROJECT TITL		PROJECT NIMBER

DELTA LAUNCH OPERATIONS FACILITY

direct violation of the DoD ESB directive and could be shut down, preventing further launches. The interim facilities fail to meet the minimal operational requirements, their design life has been exceeded, and operating from these inadequate, unsafe facilities will continue to adversely affect this mission. Launch operations and productivity will continue to be degraded due to this dangerous working environment.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project (status quo, lease or purchase of trailers, lease of facility off-base, alternate location on Cape Canaveral AFS, and new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Project has been considered for FY98 force structure end strength.

DBEH953004

1. COMPONENT	FY 1995 MILI	TARY CONSTRUCTION	PROJECT DATA	2. DATE
AIR FORCE		computer generated		1
	ON AND LOCATION			
	L AIR FORCE STAT	ION, FLORIDA		
4. PROJECT TIT	rle		5. PR	OJECT NUMBER
DELTA LAUNCH (	OPERATIONS FACIL	ITY	DB!	EH953004
12. SUPPLEMEN	NTAL DATA:			
a. Estimate	ed Design Data:			
(1) Sta				
	Date Design Sta			93 JUL 12
		t Estimates used t	o develop costs	Y
(c)	Percent Complete	te as of Jan 1994 ned.		60%
				93 SEP 30 94 JUN 13
(e)	Date Design Cor	mbrere		94 JUN 13
(2) Bas	sis:			
, , , , , , , , , , , , , , , , , , , ,		finitive Design -		NO
		as Most Recently U	ised -	N/A
(3) To	tal Cost (c) = (a	a) + (b) or (d) +	(e):	(\$000)
		Plans and Specific	ations	390
(b)	All Other Design	gn Costs		258
	Total			648
	Contract			469
(e)	In-house			179
(4) Co	nstruction Start			94 OCT
b. Equipment other appropri		this project will	. be provided from	n.
			FISCAL YEAR	
EOU	IPMENT	PROCURING	APPROPRIATED	COST
1	NCLATURE	APPROPRIATION	OR REQUESTED	(\$000)
			-	• • • • •
UPS/GENERATOR		3080	95	300
SECURITY EQUIP	PMENT	3080	95	400
FIBER OPTICS		3080	95	350
CONSOLES		3020	95	950

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)						1 -	. DATI	Ē			
3. INSTALLATION AND LOCATION  CAPE CANAVERAL AIR FORCE STATION,  FLORIDA  4. PROJECT TITLE  SLFI - UPGRADE ELECTRICAL  DISTRIBUTION SYSTEM											
5. PROGRAM ELE	MENT	6. CATEGOR	Y CODE	7. PR	OJEC1	יטא :	(BER	8. F	ROJECT	COST	(\$000)
3.51.82	3.51.82 812-224 DBEH963002				1,750						
			9. COST	ESTI	MATES	<u>.                                    </u>					
ITEM				U/M	QUAN	TITY	UNIT	,	OST 000)		
SLFI - UPGRADE ELECTRICAL DISTRIBUTION SYSTEM SUPPORTING FACILITIES TRANSFORMERS, CONTROLS, SWITCHGEAR DEMOLITION SUBTOTAL				LF LS LS	8,200		10		820 695 650) 45)		

10. Description of Proposed Construction: Replace primary overhead electrical distribution lines with underground 15KV lines (8,200 LF) installed in concrete-encased 4 way duct bank. Replace existing oil transfer switch station with vacuum switches. Replace existing load center/unit substations at each pad. Demolish O/H poles and lines.

11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

CONTINGENCY (10%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

<u>PROJECT</u>: Upgrade electrical distribution system at Atlas Launch Complex. (Current Mission)

REQUIREMENT: This is a Space Launch Facilities Infrastructure (SLFI) requirement. Provide adequate reliable electrical power to the Atlas launch facilities. The Atlas launch program supports the Defense Satellite Communication System (DSCS), classified users, and commercial users.

CURRENT SITUATION: The existing electrical overhead distribution system (8,200 LF) is over 30 years old. Due to the age of the overhead line and its location in a hostile marine environment, constant maintenance is required to replace deteriorated poles and failed insulators, and repair/replace conductors after burn down. The majority of the power centers, circuit breakers, feeders and lighting panels at the Atlas launch complex are obsolete, unsafe, and not maintainable. The existing feeder from the blockhouse to the pad is well beyond its service life, unreliable and a singularly troublesome item. There is no backup power capability for critical launch support equipment.

IMPACT IF NOT PROVIDED: Continuing to operate at the Atlas launch facilities, using the existing power grid and outdated equipment, creates an unacceptable risk of a major disruption to launch capability from an electrical system failure. This could adversely impact the Atlas launch

 $\frac{152}{1.667}$ 

 $\frac{100}{1,767}$ 

1,750

1. COMPONENT			2. DATE						
AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DAT (computer generated)	A.							
3. INSTALLAT	ON AND LOCATION								
GARD GAMAMERAL ATE BODGE CHARTON PLOETS									
4. PROJECT T	AL AIR FORCE STATION, FLORIDA	5. PR(	JECT NUMBER						
!!									
SLFI - UPGRAI	DE ELECTRICAL DISTRIBUTION SYSTEM	DBE	ЕН963002						
program by causing launch delays, which could cost at least \$200,000 per day, and loss of critical launch pad time that would impact the schedule for all future launches.  ADDITIONAL: There is no criteria/scope for this project in AFM 86-2 "Standard Facility Requirements". Project has been considered for FY98									
	are end strength.								
			ļ						
i									
l									
			į						

DD FORM 1391C, DEC 76

Page No

. TW	o inti	mer I (	ON AND LOCATION	
APE	CANA	VERAL	L AIR FORCE STATION, FLORIDA	
. PR	OJEC:	r TIT	ILE	5. PROJECT NUMBER
LFI	- UP	GRADE	E ELECTRICAL DISTRIBUTION SYSTEM	DBEH963002
2.	SUPP	LEMEN	NTAL DATA:	
a.	Est	imate	ed Design Data:	
	(1)	Sta	atus:	
			Date Design Started	93 MAY 01
			Parametric Cost Estimates used to develop c	
			Percent Complete as of Jan 1994	35%
			Date 35% Designed.	93 SEP 14
		(e)	Date Design Complete	94 AUG 12
	(2)	Bas		
			Standard or Definitive Design -	NO
		(b)	Where Design Was Most Recently Used -	N/A
	(3)		tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
			Production of Plans and Specifications	94
			All Other Design Costs	73
			Total	167
			Contract	
		(e)	In-house	167
	(4)	Сол	nstruction Start	94 NOV
. E ther	qu; yn appi	ment copri	associated with this project will be provide ations: N/A	d from
			•	

1. COMPONENT	1995 MILITARY CO	NSTRUC	TION	PROGE	RAM		2. DAT	E
AIR FORCE	(computer				<b>.</b>	I		
3. INSTALLATION AND LO			MMAND				5. ARE	A CONST
		AIR E	FORCE				COS	T INDEX
EGLIN AIR FORCE BASE,		MATE	HEL C	IAMMC				73
6. PERSONNEL	PERMANENT		UDENT			PORT		
	OFF ENL CIV		ENL	CIV	OFF	ENL	CIV	
;	1516 6541 3854		l				1 1	11,911
b. End FY 1999	1529 6641 4106		(0000	<del></del>				12,276
Total Assessed (	7. INVENTORY 456,483)	DATA	(\$000					
a. Total Acreage: (b. Inventory Total As							480,41	.
c. Authorization Not	Vet In Inventory						24,11	
d. Authorization Requ	ested In This Pro	oram:					20,00	
e. Authorization Incl			ram:	(FY 1	1996)		6,60	
f. Planned In Next Th				•••	.,,,,		26,75	l l
g. Remaining Deficien							,	0
h. Grand Total:	-						557,87	8
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY	995					****
CATEGORY					COST	_		STATUS
CODE PROJ	ECT TITLE	9	COPE		(\$000	<u>))</u>	START	CMPL
310-926 RENOVATE CLI	MATIC TEST CHAMBE	R 1:	36,500	SF	20,00	)0 J	UL 91	MAY 93
			TOTAL	: -	20.00	00		
9a. Future Projects:	Included in the	Follo					96)	
111-111 REPAIR RUNWA			35,000					
871-183 UPGRADE STOR	M DRAINAGE SYSTEM	•	•	LS	1,20	00		
	<del></del>		TOTAL		6,60	00		
9b. Future Projects:								
	RAFT PARKING APRO		90,000					
211-147 HOT GUN LINE		•	29,700	SF	2,00	00		ĺ
CALIBRATION								
317-315 ADD TO TEST			4,000		60			
721-312 RENOVATE DOR 811-147 EMERGENCY PO				PN	6,00			
10. Mission or Major		Force	4,800	VM	1,4:	)U		
(primary aircraft inc	lude AT-38 E-15	P-14	F-11	ום נ ואומלים	n-/ 168	1-30 1-30	NC-12	ا ا
and UH-1); a test win	e: Air Comhat Com	mand d	, r-11 Fighto	*, EU	no wit	JO, .h .h	ree P.	.15
squadrons and USAF Ai	r Warfare Center	(F-15	and F	-16	ajrors	L/I	and a	n Air
Force Special Operati								A.I
	ants include US N							al
School and a Federal	Bureau of Prisons	medi	m sec	urit	y faci	lity	opos	
	ution and safety					<u></u>	<del></del>	
a. Air pollutio	n:						C	)
b. Water pollut							à	
	safety and healt	h:					ā	
d. Other Enviro							Č	)
			_					!

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE RENOVATE CLIMATIC TEST CHAMBER EGLIN AIR FORCE BASE, FLORIDA PHASE III 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) FTFA933027 20,000 6.47.55 310-926 COST ESTIMATES UNIT COST U/M QUANTITY COST ITEM (\$000) RENOVATE CLIMATIC TEST CHAMBER PHASE III 136,500 42,315 SUPPORTING FACILITIES 11.025 LS (5,325)UTILITIES MONITORING AND CONTROL SYSTEM LS (1.945)LS (2.475)FIRE PROTECTION LS 795) MISCELLANEOUS SUPPORT LS 220) **PAVEMENTS** SITE IMPROVEMENTS LS 265) 53.340 SUBTOTAL 5,334 CONTINGENCY (102) TOTAL CONTRACT COST 58,674 SUPERVISION, INSPECTION AND OVERHEAD (6%) 3,520 TOTAL REQUEST 62,194 TOTAL REQUEST (ROUNDED) 62.000 -5.000 LESS FY93 AUTHORIZATION/APPROPRIATION -37,000 LESS FY94 AUTHORIZATION/APPROPRIATION FY95 AUTHORIZATION FOR APPROPRIATION REQUEST 20,000 FY95 APPROPRIATION REQUEST 10. Description of Proposed Construction: Renovate equipment and main test chambers including replacement of wall, ceiling and floor systems, access doors, electrical and monorail lift systems and provide AFFF fire protection system, and elevators. Renovate engineering and work areas; provide new air make-up unit and monitoring and control system. Upgrade electric service and provide necessary support. Air Conditioning: 1000 Tons. 11. REQUIREMENT: 140,000 SF ADEQUATE: 3,500 SF SUBSTANDARD: 136,500 SF PROJECT: Renovate a climatic test chamber, phase 3 of 3. (Corrent Mission) REQUIREMENT: A facility is required for the complete environmental testing of aircraft, equipment and weapon systems to simulate the extreme weather conditions that may be encountered anywhere on earth. Performance, durability, reliability and operating parameters must be evaluated under all weather conditions, including rain, wind, fog. snow. ice and extreme heat or cold. The facility must have a make-up air system capable of maintaining temperature and humidity needed for climatic testing of Army, Navy and Air Force weapon systems and equipment. CURRENT SITUATION: This facility was built over forty years ago during World War II and is currently the only facility in existence that performs the full scale environmental testing of the largest aircraft in the Air Force inventory. The extreme conditions created in the chamber are causing rapid and severe deterioration of the ceiling, wall, floor and duct systems. Deterioration of the vapor barrier causes severe icing conditions within the chamber, resulting in considerable hazards to personnel and equipment. The electrical system has deteriorated to the

point of being unsafe and no longer meets minimum code requirements.

1. COMPONENT
FY 1995 MILITARY CONSTRUCTION PROJECT DATA
(computer generated)

3. INSTALLATION AND LOCATION

EGLIN AIR FORCE BASE, FLORIDA

4. PROJECT TITLE 5. PROJECT NUMBER

RENOVATE CLIMATIC TEST CHAMBER PHASE III

FTFA933027

Band-aid repairs to this facility are no longer effective.

IMPACT IF NOT PROVIDED: Climatic testing will have to be curtailed at this facility within a few years, making the reliability of much of the new equipment being developed for the US Armed Forces suspect.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide", or in Air Force Manual 86-2, "Standard Facility Requirements". Congress reduced the funding of this project by \$20.0M in the FY94 MILCON appropriation bill. However, they directed the Air Force to program \$20.0 in the FY95 MILCON program.

## AUTHORIZATION AND APPROPRIATION SUMMARY

	APPROVED BY CONGRESS FY 93	APPROVED BY CONGRESS FY 94	REQUESTED FY 95
AUTHORIZATION OF THE PROJECT	64.0M	0	O
AUTHORIZATION FOR APPROPRIATION	5.0M	37.OM	20.0M
APPROPRIATION	5.0M	37.0M	20.0M

1. COMPUNENT	_	. DATE						
FY 1995 MILITARY CONSTRUCTION PROJECT DAT  (computer generated)	A							
3. INSTALLATION AND LOCATION								
EGLIN AIR FORCE BASE, FLORIDA	<u> </u>							
4. PROJECT TITLE	5. PROJ	JECT NUMBER						
RENOVATE CLIMATIC TEST CHAMBER PHASE III	FTF	A933027						
12. SUPPLEMENTAL DATA:								
a. Estimated Design Data:								
(1) Status:								
(a) Date Design Started		91 JUL 26						
(b) Parametric Cost Estimates used to develop of	costs	100%						
(c) Percent Complete as of Jan 1994 (d) Date 35% Designed.		91 DEC 16						
(e) Date Design Complete		93 MAY 03						
(2) Basis:		ļ						
(a) Standard or Definitive Design		[						
(b) Where Design Was Most Recently Used -								
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)						
(a) Production of Plans and Specifications								
(b) All Other Design Costs (c) Total								
(d) Contract		,						
(e) In-house								
(4) Construction Start		94 DEC						
b. Equipment associated with this project will be provide other appropriations: N/A	ed from							
•								
		ļ						
		ļ						

1. COMPONENT			<u> </u>	2. DAT	E
F	Y 1995 MILITARY CO		RAM		
AIR FORCE	(computer			ļ	
3. INSTALLATION AND	LOCATION	4. COMMAND		1	A CONST
		AIR EDUCATION		1	T INDEX
TYNDALL AIR FORCE BA		AND TRAINING CO		0.	/5
6. PERSONNEL	PERMANENT	STUDENTS	SUPPOR		MOM A T
STRENGTH a. As of 30 SEP 93	OFF ENL CIV 789 3838 951	OFF ENL CIV	OFF EN	L   CIV   3   27	TOTAL 5,925
b. End FY 1999		143 167	7	3 27	5,787
D. Elia 11 1999	7. INVENTORY		<del></del>		٠, ١٥١
a. Total Acreage: (					
b. Inventory Total A	•			233,92	4
c. Authorization Not				1,29	
d. Authorization Rec				5,60	0
e. Authorization Inc			1996)	3,75	0
f. Planned In Next 7		:		1	0
g. Remaining Deficie	ency:				0
h. Grand Total:	n *** m**** nnoon ***	77 100¢		244,56	9
8. PROJECTS REQUESTI CATEGORY	ED IN THIS PROGRAM:	FY 1995	COST	DECTON	CTATIC
	JECT TITLE	SCOPE	(\$000)	DESIGN START	CMPL
CODE TAC	JECT TITLE	SCOPE	(30007	SIAKI	CHFL
130-835 SECURITY PO	LICE OPERATIONS	13,450 SF	2.400	NOV 93	SEP 94
	E SUPPLY AND	58,500 SF		MAY 87	SEP 94
EQUIPMENT		,	-,		
·		TOTAL:	5,600		
	: Included in the	Following Progr	ram (FY 1	996)	
149-962 CONTROL TO		1 EA	2,700		
179-511 FIREMEN TRA	AINING FACILITY	1 EA	1,050		
01 5		TOTAL:	3,750		
9b. Future Projects 10. Mission or Majo	: Typical Planned	Next Three Year	rs:	16	1
which is responsible	or runctions: A II	gnter wing with F-15 aircrove:	- Inree r	t Comma	arons
Headquarters First	ir Force weapons	evaluation orom	n tectic	el sori	11U S al
targets squadron (QI					<b></b>
NORAD's CONUS Region					
Engineering Support	Agency; and an Air	National Guard	fighter	interce	ptor
detachment (F-15 air					
Water Survival School		·			
11. Outstanding pol	llution and safety	(OSH) deficienc:	ies:		
,					
a. Air polluti				0	
b. Water pollu		<b>L</b> .		6,000	
c. Occupations d. Other Envir	al safety and healt	п.		0	
u. Other Ellvii	. Olanciitai .			0	

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION SECURITY POLICE OPERATIONS TYNDALL AIR FORCE BASE, FLORIDA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) XLWU903030 2.75.96C 130-835 2.400 9. COST ESTIMATES UNIT COST (\$000) U/M QUANTITY COST ITEM 17,350 1,703 SECURITY POLICE OPERATIONS SF SF 13,500 105 (1,418)SECURITY POLICE CONTROL CENTER SF 3,850 COMBAT ARMS TRAINING & MAINT FAC 74 ( 285) 450 SUPPORTING FACILITIES LS 90) **VAULT & CELLS** SF 13.300 55) DEMOLITION LS 35) RANGE COVER SUPPORTS & ROOF LS 135) **PAVEMENTS** UTILITIES LS 135) **SUBTOTAL** 2,153 CONTINGENCY (5%) 108 TOTAL CONTRACT COST 2,261 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 124 TOTAL REQUEST 2.385 2,400 TOTAL REQUEST (ROUNDED) 10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, steel frame with masonry walls, pitched roof system, all utilities, parking, and necessary support for the new complex. Work to include interior renovation of Security Control Center and replacement of firing range cover supports and roof. Four facilities will be demolished. Air Conditioning: 80 Tons. 11. REQUIREMENT: 21,841 SF ADEQUATE: 1,200 SF SUBSTANDARD: 18,275 SF PROJECT: Security Police Operations facility. (Current Mission) REQUIREMENT: An adequate facility is required to centrally house major functions supporting the security police mission. A combat arms training and maintenance facility is required to support the small arms range. An adequate central security control center is required adjacent to restricted areas containing high security resources. **CURRENT SITUATION:** The major operational functions of the 325th Security Police Squadron are conducted out of three different facilities dispersed around the base. Command and control, a vital element of security police

operations, is hampered by having to operate out of these separated buildings. Arms, equipment, and personnel are located in separate facilities thus delaying rapid issue of items required to provide adequate and timely security response to emergencies. Timely information flow between security police operational elements is rarely achieved and administrative distribution alone requires one to two people, plus transportation, and several hours per day to accomplish. These buildings are 1943 vintage, awkwardly arranged, energy inefficient and require an excessive amount of maintenance. The existing combat arms training and maintenance facility was constructed in 1950. The classroom and office space is inadequate for the size of classes conducted today and it is

3. INSTALLATION AND LOCATION	1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION (computer generated	. 1	DATE
TYNDALL AIR FORCE BASE, FLORIDA	3. INSTALLAT			
4. PROJECT TITLE 5. PROJECT NUMBE SECURITY POLICE OPERATIONS XLWU903030	4. PROJECT T	ITLE		

located across a main thoroughfare from the ranges. Range covers and supports require significant upgrade. The central security control center existing floor plan does not provide for efficient space utilization and it lacks a secure foyer. This project will result in the demolition of four facilities totaling 13,294 SF.

IMPACT IF NOT PROVIDED: The mission will continue to be adversely affected by poor information flow; unrealistic span of control; dispersed command communications capabilities and a less than desired public customer service image. The quality of life in the work environment will continue to be substandard, negating the Air Force's new quality initiatives.

<u>ADDITIONAL</u>: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

	ENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE		(computer generated)	
		AND LOCATION	
		CE BASE, FLORIDA	
. PROJEC	T TITL	E   ). F	PROJECT NUMBER
ECURITY	POLICE	OPERATIONS >	KLWU903030
2. SUPP	LEMENT.	AL DATA:	
a. Est	imated	Design Data:	
(1)	Stati	us:	
	(a)	Date Design Started	93 NOV 24
	(b)	Parametric Cost Estimates used to develop costs	s Y
		Percent Complete as of Jan 1994	30%
		Date 35% Designed.	94 FEB 15
•	(e)	Date Design Complete	94 SEP 30
(2)	Basi	s:	
	(a)	Standard or Definitive Design -	YES
		Where Design Was Most Recently Used -	KEESLER
(3)	Tota	1 Cost (c) = (a) + (b) or (d) + (e):	(\$000
(-,		Production of Plans and Specifications	104
		All Other Design Costs	88
	(c) '		192
	(d)	Contract	134
	(e)	In-house	58
	_	truction Start	95 JAN
(4)	Cons		אשר כב
(4)	Cons		7) JAN
		ssociated with this project will be provided fr	
. Equip	ment a	ssociated with this project will be provided fr	
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		
. Equip	ment a		

1. COMPONENT FY 1995 MILITARY CONSTRUC	TION PROJECT DATA
AIR FORCE (computer gene	erated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE ADD TO BASE SUPPLY & EQUIPMENT
TYNDALL AIR FORCE BASE, FLORIDA	WAREHOUSE

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

2.75.96C 442-758 XLWU903038 3,200

9. CUST ESTIMAT	<u> </u>			
	-		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ADD TO BASE SUPPLIES & EQUIP WHSE	SF	58,500	42	2,457
SUPPORTING FACILITIES	1			435
UTILITIES	LS			( 140)
SITE IMPROVEMENTS	LS			( 80)
PARKING	LS	1		( 95)
DEMOLITION	SF	20,000	6	(120)
SUBTOTAL	ł	l i		2,892
CONTINGENCY (5%)	Ì	1		145
TOTAL CONTRACT COST	1			3,037
SUPERVISION, INSPECTION AND OVERHEAD (62)				<u> 182</u>
TOTAL REQUEST	1	ì		3,219
TOTAL REQUEST (ROUNDED)				3,200
	1			
i e	- 1	1 1		

10. Description of Proposed Construction: Concrete slab floor, steel frame, masonry and corrugated metal walls, steel roof framing and a metal roof to join two existing warehouse structures. Includes all associated parking, demolition, utilities, and necessary support.

Air Conditioning: 50 Tons.

11. REQUIREMENT: 184,639 SF ADEQUATE: 0 SUBSTANDARD: 124,668 SF PROJECT: Add to Base Supply and Equipment Warehouse. (Current Mission) REQUIREMENT: A facility of adequate size and configuration is required for the storage of bulk and bin items to support base and flying missions. Functions associated with these support activities include contracting for receiving, processing, storing, controlling and issuing materials and supplies.

CURRENT SITUATION: The base supply general purpose storage is housed in seven separate buildings. These dispersed facilities are of inadequate size and create inefficient handling and managment of the materials and equipment supporting base missions. Four of the existing warehouses are wood frame structures built in 1940 and contain numerous interior wood columns which further reduces available space and efficiency. Base supply does not have a temperature controlled area and is presently borrowing cold storage space from a tenant activity on the base. This project will result in the demolition of one building with 20,000 SF.

IMPACT IF NOT PROVIDED: Inefficient operation in dispersed substandard facilities will continue. Management and handling of material and equipment supplying Tyndall AFB's missions will be strained to meet mission needs.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However,

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PRO	
AIR FORCE	(computer generated)	
J. INSTALLATI	ON AND LOCATION	
	FORCE BASE, FLORIDA	
4. PROJECT T	TLE	5. PROJECT NUMBER
ADD TO BASE S	SUPPLY & EQUIPMENT WAREHOUSE	XLWU903038
this project	does meet the criteria/scope specified and Facility Requirements".	ed in Air Force Manual

1 COMPONENT		2. DATE
1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	1
AIR FORCE	(computer generated)	
	ON AND LOCATION	
i		
	FORCE BASE, FLORIDA	
4. PROJECT T	ITLE	5. PROJECT NUMBER
477 mg 7468 (	SUPPLY & EQUIPMENT WAREHOUSE	XLWU903038
ADD TO BASE	SUFFEI & EQUIFMENT WAREHOUSE	124030303
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) S		
	) Date Design Started	87 MAY 15
	) Parametric Cost Estimates used to develop o	
	Percent Complete as of Jan 1994	30%   94 FEB 15
	) Date 35% Designed. ) Date Design Complete	94 FEB 13 94 SEP 30
(6	) Date Design Complete	<b>74 311 30</b>
(2) B	asis:	
1	) Standard or Definitive Design -	NO
(ъ	) Where Design Was Most Recently Used -	N/A
		(,,,,,)
	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	) Production of Plans and Specifications	120
	) All Other Design Costs ) Total	256
	) Contract	179
	) In-house	77
(4) C	onstruction Start	95 MAR
	t associated with this project will be provide	ed from
other approp	riations: N/A	
ļ		
}		}
}		
1		
<b>\</b>		
1		
<b></b>		

1 COMPONENT						<u>-</u>	2 DAT	- I
1. COMPONENT	TARY CON	CTDIIC	TION I	אספר	NAM .		2. DAT	E
FY 1995 MILI				RUGE	CAM			ì
	mputer ge						S ADE	A CONOT
3. INSTALLATION AND LOCATION	1	4. CU	MMAND					A CONST
			OVD 4 55	<b>5010</b>				T INDEX
MOODY AIR FORCE BASE, GEORGIA			OMBAT					85
	NENT		UDENTS			POR1		
	CIV				OFF	ENI	CIV	TOTAL
a. As of 30 SEP 93 299 265		9	25		į		1 1	3,385
b. End FY 1999 383 304			106		L			3,989
	VENTORY	DATA	(\$000	)				
a. Total Acreage: (5,931)	>							_ 1
b. Inventory Total As Of: (30							124,94	
c. Authorization Not Yet In Inv							8,78	
d. Authorization Requested In					4 >		11,80	
e. Authorization Included In Fo			am:	(FY	1996)		27,03	
f. Planned In Next Three Progra	m Years:						11,05	
g. Remaining Deficiency:								0
h. Grand Total:	DOGD ***		005				183,60	15
8. PROJECTS REQUESTED IN THIS I	'KUGKAM:	FY 1	995					
CATEGORY		_	2000		COST	_		STATUS
CODE PROJECT TITLE		<u>s</u>	COPE		(\$000	<u>'/</u>	START	CMPL
112 221 UDGDADE ATDETELD DAVE	(E)\mC		2 000	CV	0 00		1ED 03	055 O
1113-321 UPGRADE AIRFIELD PAVEN 721-312 DORMITORY	ien i 5	9	-				SEP 93	
721-312 DORMITORY			156	_	3,80		SEP 93	SEP 94
9a. Future Projects: Included	l in the		TOTAL		11,80		206)	
111-111 IMPROVE RUNWAY 18L-36		10110	wrng i	LS	6,00°		790/	ļ
111-111 PAROVE RONWAY 18E-36	•			LS	6,00			
141-232 AERIAL DELIVERY FACILI	· Trv			LS	4,60			
141-753 SQUADRON OPERATIONS FA		າ	0,000		3,20			
149-962 CONTROL TOWER	01211	_		EA	2,50	10		Ì
211-159 LARGE AIRCRAFT WASHRAG	:K	7	2,100	SF	1,70	ก		
FACILITY WASHINGTON		-	-,200		1,70			
442-758 BASE SUPPLIES & EQUIP	WHSE	1	6,800	SF	1,60	ın		
442-758 MISSION EQUIPMENT STOP			1,000		90			
FACILITY		•	_, 500		,	. •		ļ
871-183 STORM DRAINAGE FACILIT	TIES			LS	_ 53	n		ì
	- <b></b>		TOTAL	-	27,03			
9b. Future Projects: Typical	Planned	Next			<u>,,,,,</u>			
130-835 SECURITY POLICE FACILITY			3,700		1,50	0		
610-129 WEAPONS SYSTEMS MAINT			5,000		4,00			İ
722-351 DINING FACILITY			0,000		1,50			
740-675 RECREATION LIBRARY		•	8,000		1,05			
880-211 FIRE PROTECTION		16	8,423		3,00			
10. Mission or Major Functions	: A fig	hter	wine v	with			ter	
squadrons (F-16 aircraft). The	tempora	ry be	ddown	loca	ation	of 1	two F-1	6
squadrons from Homestead AFB, I	L. Also	, one	of th	he pi	rimary	bas	ses for	the
beddown of a composite wing (to	o F-16 s	quadr	ons.	one /	4/0A-1	0 sc	guadron	and
one C-130 squadron).		* ·· · · · · ·	, ,	•	-, <del>-</del>		1	,
11. Outstanding pollution and	safety (	OSH)	defic	i enc	ies:			
a. Air pollution:							1 500	
b. Water pollution:							1,500	
c. Occupational safety as	d boalet						1,500	
d. Other Environmental:	id lieatty	•					1 500	- 1
d. Other Phartonmental:							1,500	, }

1. COMPONENT					[ -	DATE
	RY 1995 MILITARY CO			DJECT DATA	<b>A</b>	
AIR FORCE		er genera				
3. INSTALLATION AL	ID LOCATION	4	4. PRO	JECT TITLI	3	
		1.				
MOODY AIR FORCE BA				E AIRFIELI		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJE	ect nui	MBER   8. I	PROJECT (	COST(\$000)
	i					
4.11.15	113-321	+	953034			8,000
	9. COS	T ESTIMAT	<u>reș</u>			
					UNIT	COST
<u> </u>	ITEM			QUANTITY	COST	(\$000)
UPGRADE AIRFIELD	PAVEMENTS		SY	93,000	<u>.</u> .	5,280
UPGRADE C-130 PI			SY	33,000	70	
UPGRADE INTERIOR	R RNWY TOUCHDOWNS		SY	33,400	70	. , , , , , , , ,
REPAIR INTERIOR	•••••		SY	16,600	20	1 ' 1
	PAVED SHOULDERS		SY	10,000	30	'
SUPPORTING FACILITY	TIES			i		1,615
SITE PREPARATION	•		LS		ļ	( 500)
AIRFIELD LIGHTII			LS		ļ	( 200)
ELECTRICAL DIST			LS	ļ	ļ	( 350)
WATER TOWER (27)	0,000 GAL)		LS		ļ	( <u>565</u> )
SUBTOTAL						6,895
CONTINGENCY (10%)			j	1		<u>690</u>
TOTAL CONTRACT CO	ST			1		7,585

10. Description of Proposed Construction: Replace/upgrade deteriorated and weak primary taxiways and interior runway touchdowns with 15 inches of new concrete pavement. Mill and overlay interior runway overruns with two inches of asphalt pavement. Construct asphalt shoulders with minimum of four inches of base material. Restripe runway, taxiway, and overruns as needed. Install airfield lighting, electrical system and water tower.

11. REQUIREMENT: As required.

TOTAL REQUEST

TOTAL REQUEST (ROUNDED)

SUPERVISION, INSPECTION AND OVERHEAD (6%)

<u>PROJECT</u>: Upgrade airfield pavements and construct new shoulders. (New Mission)

REQUIREMENT: Adequate taxiways and runways of sufficient strength are essential to provide a suitable surface for taxiing and parking the newly assigned aircraft in support of the CSAF initiative to beddown a Composite Wing at Moody AFB. In addition, paved shoulders are required to reduce and prevent foreign object damage (FOD) to mission aircraft as a result of C-130 operations. New airfield lighting will be needed on the new shoulders and existing deteriorated runway lighting must be replaced. An electrical distribution system and 250,000 gallon water tower are required to support new adjacent facilities in the C-130 complex.

CURRENT SITUATION: The condition of the existing taxiways and runway touchdowns are deteriorated, and of insufficient thickness (6-10 inches) to support the increased wheel loads associated with the new mission aircraft. With the heavier load of C-130 aircraft, the taxiways and touchdowns will rapidly deteriorate creating a high FOD potential to aircraft. The Air Force Civil Engineering Support Agency (AFCESA) evaluation team rated these pavement areas from fair to poor. In addition, there are no paved shoulders along primary taxiways and parking apron to help reduce FOD as a result of C-130 operations. Existing

<u>455</u>

8,040

8,000

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATIO	N AND LOCATION E BASE, GEORGIA	
4. PROJECT TIT		. PROJECT NUMBER
HDCDADE ATDETE	IN PAVEMENTS	HACC953034

utilities and infrastructure are inadequate or do not exist to support C-130 facilities programmed to support the beddown of the Composite Wing. IMPACT IF NOT PROVIDED: The primary taxiways and runway touchdowns will deteriorate at an accelerated rate, increasing the probability of a major aircraft mishap. The new mission aircraft will increase the likelihood of periodic pavement failures, thus directly affecting mission capabilities. Without paved shoulders, the possibility of FOD damage to mission aircraft is very high. This will eventually have an adverse impact on the base's mission capability. New airfield lighting must be provided or all aircraft operations will be limited to daylight hours only. The electrical distribution system and the water tower must be provided or adjacent C-130 support facilities will not be operational. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

	ENT   FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE		
	LATION AND LOCATION	•
OODY AIR PROJECT	FORCE BASE, GEORGIA	OJECT NUMBER
. PRUJEC	J. IN	OJECI RUMBER
PGRADE A	IRFIELD PAVEMENTS HA	CC953034
2. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
	(a) Date Design Started	93 SEP 30
	(b) Parametric Cost Estimates used to develop costs	Y
	(c) Percent Complete as of Jan 1994	352
	(d) Date 35% Designed.	93 DEC 15
	(e) Date Design Complete	94 SEP 30
(2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = $(a) + (b)$ or $(d) + (e)$ :	(\$000
	(a) Production of Plans and Specifications	228
	(b) All Other Design Costs	412
	(c) Total	640
	(d) Contract	
	(a) In-hausa	Z 1. f
	(e) In-house	640
(4)	(e) In-house  Construction Start	
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start	640 95 JAN m
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN
. Equip	Construction Start  ment associated with this project will be provided from	95 JAN

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION

**DORMITORY** MOODY AIR FORCE BASE, GEORGIA 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST(\$000)

3,800 HACC953033 4.11.15 721-312

9. COST ESTIMATES UNIT COST COST (\$000) U/M QUANTITY ITEM 90 29,600 2,664 DORMITORY (156 PN) 735 SUPPORTING FACILITIES 195) LS UTILITIES 195) LS SITE IMPROVEMENTS 195) LS **PAVEMENTS** LS 150) FIRE PROTECTION 3,399 SUBTOTAL 170 CONTINGENCY (52) 3,569 TOTAL CONTRACT COST 214 SUPERVISION, INSPECTION AND OVERHEAD (62) 3,783 TOTAL REQUEST TOTAL REQUEST (ROUNDED) 3,800

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, concrete framed facility, insulated maintenance-free exterior masonry walls, and standing seam metal roof. Includes room-bath-room modules, laundries, storage, lounge areas, fire protection, exterior site work and all necessary support work.

Air Conditioning: 130 Tons. Grade Mix: 156 E1-E4.

REQUIREMENT: 1,396 PN ADEQUATE: 742 PN SUBSTANDARD: 152 PN

PROJECT: Construct a dormitory. (New Mission)

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters with some degree of individual privacy are essential for the successful accomplishment of the increasingly complicated and important jobs these people must perform. The CSAF initiative to establish an air/land battlefield operation composite wing consisting of C-130s, A/OA-10s, and F-16s at Moody AFB is projected to add nearly 365 enlisted personnel. CURRENT\_SITUATION: With the stand-up of a Composite Wing at Moody AFB, the base will have a significant increase in manpower. This increase will exacerbate the existing shortfall of junior enlisted personnel dormitory spaces for E-1 to E-4s causing the deficit of bed spaces to increase from 346 to 502. This project will support the increase associated with the new mission only and the current deficit of 346 spaces will remain. In addition, the recent housing market analysis and the lessons learned during the emergency beddown of F-16s and personnel from Homestead AFB caused by Hurricane Andrew, showed that adequate housing is not available in the local community to support E-1 to E-4 personnel.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATIO	ON AND LOCATION  CE BASE, GEORGIA	
4. PROJECT TI		PROJECT NUMBER
DORMITORY		HACC953033

unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. This may significantly impact the capability and effectiveness of the new Wing.

ADDITIONAL: All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

<ul> <li>(a) Production of Plans and Specifications</li> <li>(b) All Other Design Costs</li> <li>(c) Total</li> <li>(d) Contract</li> <li>(e) In-house</li> </ul>	1BER
DORMITORY  A. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  95  Equipment associated with this project will be provided from	1BER
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Pufinitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  95  Equipment associated with this project will be provided from	
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Pefinitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  95  Equipment associated with this project will be provided from	
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Pefinitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  93 SEI  93 SEI  93 SEI  94 SEI  95 SEI  96 SEI  97 SEI  98 SEI  99 SEI  99 SEI  90 SEI  90 SEI  91 SEI  92 SEI  93 DEC  94 SEI  95 SEI  96 SEI  97 SEI  98 SEI  99 SEI  99 SEI  90 SEI  90 SEI  91 SEI  92 SEI  93 SEI  94 SEI  95 SEI  96 SEI  97 SEI  98 SEI  99 SEI  99 SEI  90 SEI  90 SEI  91 SEI  92 SEI  93 SEI  94 SEI  95 SEI  96 SEI  97 SEI  98 SEI  99 SEI  90 SE	
(1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  95  Equipment associated with this project will be provided from	
(a) Date Design Started (b) Parametric Cost Estimator used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Pofinitive Design (b) Where Design Was Most Recently Used  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  93 SEI  93 SEI  94 SEI  95 SEI  97 SEI  98 SEI  99 SEI  90 SEI	
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design (b) Where Design Was Most Recently Used  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  95  Equipment associated with this project will be provided from	
(c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from	28
(d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  93 DEC  94 SEI  95 DEC  95 DEC  96 SEI  97 DEC  98 SEI  98 DEC  99 SEI  99 SEI  90 DEC  90 SEI  91 DEC  90 SEI  91 DEC  92 SEI  93 DEC  94 SEI  95 DEC  95 DEC  96 SEI  97 DEC  98 SEI  99 SEI  90 DEC  90 SEI  91 DEC  92 SEI  93 DEC  94 SEI  95 DEC  96 SEI  97 DEC  98 SEI  99 SEI  90 DEC  90 SEI  91 DEC  92 SEI  93 DEC  94 SEI  95 DEC  96 SEI  97 DEC  98 SEI  99 SEI  90 DEC  90 SEI  91 DEC  92 SEI  93 DEC  94 SEI  95 DEC  96 SEI  97 DEC  97 DEC  98 SEI  99 SEI  90 DEC  90 SEI  91 DEC  90 SEI  91 DEC  90 SEI  91 DEC  92 SEI  93 DEC  94 SEI  95 DEC  96 SEI  97 DEC  98 SEI  98 SEI  99 SEI  90 DEC  90 SEI  90 DEC  90 SEI  90 DEC  90 SEI  90 DEC  90 SEI  91 DEC  91 DEC  91 DEC  91 DEC  92 SEI  93 DEC  94 SEI  95 DEC  94 SEI  95 DEC  96 SEI  97 DEC  97 DEC  98 SEI  98 DEC  99 SEI  90 DEC  90 DEC  90 SEI  90 DEC  90 D	Y
(e) Date Design Complete  (2) Basis:  (a) Standard or Pafinitive Design - NO  (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from	35%
(2) Basis:  (a) Standard or Definitive Design - NO  (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Start  95  Equipment associated with this project will be provided from	
(a) Standard or Pofinitive Design (b) Where Design Was Most Recently Used (c) N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from	30
(b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from	
(b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from	
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  g5  Equipment associated with this project will be provided from	
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from	000
(b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from	278
(d) Contract (e) In-house  (4) Construction Start  95  Equipment associated with this project will be provided from	26
(e) In-house  (4) Construction Start  95  Equipment associated with this project will be provided from	304
(4) Construction Start  95  Equipment associated with this project will be provided from	228
Equipment associated with this project will be provided from	76
Equipment associated with this project will be provided from her appropriations: N/A	JAN

1. COMPONENT					-		1	2.	DAT	E	1
	FY 1995 MILITA				PROGE	RAM	l				
AIR FORCE		outer g							4 B B	4 60	
3. INSTALLATION AND	LUCATION	1		MMAND			1			A COI	
DODING AND BORGE B	ASE, GEORGIA	1	AIR F		NA 1	TD	- 1	,		T INI	DEY
ROBINS AIR FORCE BA				IEL CO			DODT	PD	0.	95	
6. PERSONNEL	PERMANI		OFF	UDENTS			PORT		<del>,,,</del>		I
STRENGTH a. As of 30 SEP 93	OFF ENL 754 3150		UFF	ENL	CIV	OFF	ENL	<u>,                                    </u>	IV	TOT/	
	726 3044		12			5		1	61	14,	
b. End FY 1999		ENTORY		(6000)	<u> </u>			<u> </u>	01	14,	15.5
a. Total Acreage:		LIVIONI	DAIA	13000	<u>'                                     </u>						
b. Inventory Total		RP 93)						521	99	Q	l
c. Authorization No									, 40		
d. Authorization Re			ram:						,50		ı
e. Authorization In				am: (	FY 1	1996)			,17		
f. Planned In Next				· ·					, 65		1
g. Remaining Defic		•						-	-	Ō	1
h. Grand Total:	· <del>- /</del> ·							691		•	1
8. PROJECTS REQUES	TED IN THIS PRO	OGRAM:	FY 1	995				-			
CATEGORY						COST	. [	ESI	GN	STAT	us I
CODE PI	ROJECT TITLE		5	COPE		(\$000	) -	STA	RŢ	CM	PL
			_								
•	TO INTEGRATE	D			LS	3,10	0 J	UL	93	MAR	94
SUPPORT											
721-312 JSTARS DOI				294	PN	5,52	5 J				
723-388 JSTARS EX				8,800				UL			- 1
850-000 JSTARS UT SUPPORT	LITIES/MISCEL	LANEOUS			LS	3,82	.5 J	IUL	93	MAR	94
871-183 UPGRADE S:	TORM DRAINAGE	SYSTEM		TOTAL:	LS _	2,20 16,50		UN	93	AUG	94
9a. Future Project	ts: Included	in the	Follo					96)			
211-179 FUEL SYST								- •			
610-675 ALTER WEAD	PON SYSTEMS SUI	PPORT	37	0,000	SF	4,70	0				
831-168 DEPOT HAZ	ARDOUS WASTE		3	2,000	SF	3,60	0				
				TOTAL	•	15,17	<u> </u>				
9b. Future Project	ts: Typical P	lanned	Next			rs:	-	_			
	PRON & HYDRANT				LS	9,00	0				
SYSTEM						-,	-				ĺ
	QUADRON OPERAT: PHASE II	IONS	3	2,000	SF	4,80	0				
211-111 J-STARS R	ELOCATE FAA TO	WERS			LS	35	0				
AND BUIL		ani ma	_		-			<b></b>			
211-154 DEPOT PLAN				37,000		•		URN	KE	Y	
211-154 J-STARS A	IRCRAFT MAINTE	NANCE	1	2,000	SF	1,60	U				
10. Mission or Ma	jor Functions:	Warne	r Rob	ins A	ir I.	ogisti	cs C	ent	er	whic	<u></u>
is responsible for	logistics mana	agement	, sup	port,	& de	epot-l	evel				-
maintenance of F-1	5, C-130, & C-	141 air	craft	, heli	icopi	ters,	and	avi	oni	CS	
and electronic war	Tare systems; 1	HQ AFRE	S; Ar	C air	ref	ueling	win	ng w	ith	two	I
KC-135 squadrons;	ACC combat com	nunicat	ions	group	; & 4	an Air	For	ce	Spa	ce	
Command missile was	rning squadron	which	opera	ites or	ne of	f the	Phas	ed	Arr	ay	
Warning System (Par	ve PAWS) radar:	s. Als	o, AC	C's ma	ain d	operat	ing	bas	e f	or	·
the Joint Surveille	ance & Target	<u>Attack</u>	Radar	Syste	em (,	<u>JSTARS</u>	<u>) ai</u>	rcr	aft		

. COMPONENT	FY 1995 MI	LITARY C	ONSTRU	CTION	PROGR	AM	2	. DAT	re
IR FORCE	(	computer	genera	ated)					
. INSTALLATION AND	LOCATION		4. C	DMMAND			5	. ARI	A CONST
			AIR I	FORCE					T INDE
OBINS AIR FORCE BAS	SE. GEORGI	A	MATE	RIEL C	OMMAN	ID	- 1		. 95
. PERSONNEL		MANENT		TUDENT		SUPPORTED			
STRENGTH		ENL   CIV			CIV			CIV	TOTAL
. As of	<del>                                     </del>							1	
. End FY			1		[ ]				
	7.	INVENTOR	Y DATA	(\$000	<del>,                                    </del>			<del></del>	
. Total Acreage:	<u> </u>		<del> </del>	10000	<b>.</b>				
. Inventory Total	As Of:								
. Authorization No		nventory	•						
. Authorization Re-									
. Authorization Inc				ram:					
. Planned In Next									
. Remaining Defici	_	siam icai	<b>J</b> .						
. Grand Total:	ciicy.								
1. Outstanding po	llution er	nd safety	(OSH)	defic	ienci	ee .			
- Catotanang po		.c serecy	(02)						
a. Air pollut:	ion:							6,000	n
b. Water polls								1,400	
c. Occupation		and heal	th:					•	, D
d. Other Envi	•							3,60	-
a. other blive	· Olimeire a :							3,00	•

1. COMPONENT			· · · · · · · · · · · · · · · · · · ·					2	. DATE	
	F	7 1995 MILITA	ARY CO	NSTRUCT	ION PR	OJECT	DATA	<b>1</b>		
AIR FORCE		(cc	mpute	er gener	ated)					
3. INSTALLATI	ON ANI	LOCATION			4. PRO			_		
								ITEGRAT	ED	
ROBINS AIR FO					SUPPOR					
5. PROGRAM EL	EMENT.	6. CATEGORY	CODE	7. PROJ	ECT NU	MBER	8. F	PROJECT	COST(	\$000
	. <b>.</b>	440.005							2 104	_
6.47.70 T	IARA	610-285			953017		<b>↓</b>		3,100	<u> </u>
		9.	COS	ESTIMA	TES		<del></del>			
								UNIT	COS	
		ITEM			U/M	QUAN	TITY	COST	(\$00	00)
JSTARS ADD TO	INTE	GRATED SUPPOR	RT							
FACILITY					LS	1				, 880
INTEGRATED					SF	14,	000	12	20 (1,	,680
PREWIRED WO					LS	1	1			200
SUPPORTING FA	CILIT	ES								900
UTILITIES					LS		i			150
SITE IMPROV	EMENTS	5			LS					150
PAVEMENTS					LS	1				200
SPECIAL FOU	INDATI	ONS			LS				(_	400
SUBTOTAL									2	, 780
CONTINGENCY (									_	<u>139</u>
TOTAL CONTRAC									2	,919
SUPERVISION,		CTION AND OVE	ERHEAI	(6%)					_	175
TOTAL REQUEST										, 094
TOTAL REQUEST	r (Rou	NDED)							3	,100

10. Description of Proposed Construction: Special foundations for expandable soil, concrete floor slab, structural steel framework, concrete masonry unit walls with roof system, maintenance free exterior finish, HVAC and electrical system. Facility includes computer and terminal areas, disk and tape storage area, electronic security, and software maintenance space. Project includes all utilities and necessary support. Air Conditioning: 40 Tons.

11. REQUIREMENT: 189,332 LS ADEQUATE: 175,332 LS SUBSTANDARD: 0

PROJECT: Add to the Joint Surveillance Target Attack Radar System
(JSTARS) Integrated Support Facility (ISF). (New Mission)

REQUIREMENT: Adequate ISF laboratory space is needed to complete the mission simulator/software support facility's (FY 92 MILCON) capability to test and develop JSTARS hardware and software. Space is required for depot-level software maintenance. Lab space must be environmentally controlled to house computer systems used to maintain JSTARS equipment. The ISF must be contiguous with the mission simulator/software support

The ISF must be contiguous with the mission simulator/software support facility, so the depot and organic software functions can share computers and associated hardware.

<u>CURRENT SITUATION</u>: Existing facilities are fully utilized and do not have sufficient space to accommodate additional computer equipment and personnel. Additionally, the special software and computer system integration capability that this project supports will be unique to the Air Force. Currently, the system contractor performs software maintenance for JSTARS.

IMPACT IF NOT PROVIDED: The Air Force will be tied to contractor support for the life of the system at a net cost of \$89 million over the in-house organic costs. The Air Force use of the prime contractor for logistics

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATIO	N AND LOCATION	
ROBINS AIR FOR	CE BASE, GEORGIA	

4. PROJECT TITLE

5. PROJECT NUMBER

JSTARS ADD TO INTEGRATED SUPPORT FACILITY

UHHZ953017

support of all depot-level software maintenance will be at a projected annual cost of \$5.6 million above the in-house operating costs. Additionally, the contractors start-up cost proposal for maintenance logistics support is over \$5 million above the Air Force organic start-up costs.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

		ON AND LOCATION	
		CE BASE, GEORGIA	T
. PROJEC	T TI	LE	5. PROJECT NUMBER
STARS A	OT OC	INTEGRATED SUPPORT FACILITY	UHHZ953017
2. SUPI	LEMEN	TTAL DATA:	
a. Est	imate	ed Design Data:	
(1)	) Sta	itus:	
		Date Design Started	93 JUL 30
	(b)	Parametric Cost Estimates used to develop	costs Y
		Percent Complete as of Jan 1994	60%
		Date 35% Designed.	93 SEP 16
	(e)	Date Design Complete	94 MAR 15
(2)	) Bas		
		Standard or Definitive Design -	NO
	(b)	Where Design Was Most Recently Used -	N/A
(3)		al Cost (c) = (a) + (b) or (d) + (e):	(\$000
		Production of Plans and Specifications	186
		All Other Design Costs	93
		Total	279
		Contract	195
	(e)	In-house	84
(4)	Con	struction Start	95 MAR
. Equip ther app	ment ropri	associated with this project will be provide ations: N/A	ed from

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

(computer generated)

2. DATE

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

ROBINS AIR FORCE BASE, GEORGIA

JSTARS DORMITORIES

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

6.47.70 TIARA 721-312 UHHZ953015 5,525

9. COST ESTIMATE	<u>.S</u>			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
JSTARS DORMITORIES (294 PN) SUPPORTING FACILITIES UTILITIES SITE IMPROVEMENTS PAVEMENTS SUBTOTAL CONTINGENCY (52) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (62) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	LS LS SY	56,000 12,000	70 35	3,920 1,045 ( 375) ( 250) ( 420) 4,965 248 5,213 313 5,526 5,525

10. Description of Proposed Construction: Construct two structures with reinforced concrete foundation and floor slabs, maintenance free exterior masonry walls and standing seam metal roof. Includes room-bath-room modules, laundries, storage and lounge areas, all utilities, fire protection, exterior site work and necessary supporting facilities. Air Conditioning: 150 Tons. Grade Mix: 294 E1-E4.

11. REQUIREMENT: 1,603 PN ADEQUATE: 960 PN SUBSTANDARD: 284 PN PROJECT: Construct two Joint Surveillance Target Attack Radar System (JSTARS) dormitories. (New Mission)

REQUIREMENT: The dormitories are needed to house unaccompanied enlisted personnel assigned to support the new JSTARS squadrons at this base. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that is conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to the successful accomplishment of the increasingly complicated jobs these people must perform.

CURRENT SITUATION: Existing Robins Air Force Base dormitories are at capacity. No dormitory space is available to house the JSTARS personnel who will be stationed at Robins and there is insufficient affordable housing available in the off-base community. The average cost of off-base housing for our junior unaccompanied enlisted (E1-E4) personnel is \$525 to \$617 per month. Much of the off-base housing that is affordable for the junior enlisted personnel is considered unsuitable due to living conditions which do not meet Air Force and DOD standards. This project will provide facilities meeting current standards.

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  ROBINS AIR FORCE BASE, GEORGIA	•
	D. PROJECT NUMBER UHHZ953015

in the inability to properly house unaccompanied enlisted personnel assigned to support the JSTARS mission at Robins AFB. We will effectively force our junior unaccompanied enlisted people to live in expensive off-base housing which will serve to degrade the morale, productivity, and career satisfaction of the enlisted force.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. This project has been considered for FY 98 force structure end strength.

	2. DATE  ROJECT NUMBER  HHZ953015
IR FORCE (computer generated)  INSTALLATION AND LOCATION  OBINS AIR FORCE BASE, GEORGIA  PROJECT TITLE  STARS DORMITORIES  U  2. SUPPLEMENTAL DATA:  a. Estimated Design Data:	
. INSTALLATION AND LOCATION  OBINS AIR FORCE BASE, GEORGIA . PROJECT TITLE 5. PI  STARS DORMITORIES UI  2. SUPPLEMENTAL DATA:  a. Estimated Design Data:	
OBINS AIR FORCE BASE, GEORGIA  PROJECT TITLE  STARS DORMITORIES  U  2. SUPPLEMENTAL DATA:  a. Estimated Design Data:	
PROJECT TITLE 5. PI STARS DORMITORIES UI 2. SUPPLEMENTAL DATA: a. Estimated Design Data:	
. PROJECT TITLE 5. PI STARS DORMITORIES UI 2. SUPPLEMENTAL DATA: a. Estimated Design Data:	
2. SUPPLEMENTAL DATA:  a. Estimated Design Data:	нн2953015
2. SUPPLEMENTAL DATA:  a. Estimated Design Data:	HHZ953015
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	93 JUL 15
(b) Parametric Cost Estimates used to develop costs	
(c) Percent Complete as of Jan 1994	60%
(d) Date 35% Designed.	93 SEP 16
(e) Date Design Complete	94 MAR 15
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	271
(b) All Other Design Costs	116
(c) Total	387
(d) Contract	271
(e) In-house	116
(4) Construction Start	95 JAN
· · · · · · · · · · · · · · · · · · ·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
. Equipment associated with this project will be provided from	om
ther appropriations: N/A	

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION 4. PROJECT TITLE	

3. INSTALLATION AND LOCATION

JSTARS EXPANDED FLIGHT KITCHEN

ROBINS AIR FORCE BASE, GEORGIA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

6.47.70 TIARA 723-388 UHHZ953030 1.850

9. COST ESTIMAT	res			
ITEM	IIZM	QUANTITY	UNIT COST	COST (\$000)
JSTARS EXPANDED FLIGHT KITCHEN	SF	8,800		1,094
FLIGHTLINE DINING FACILITY	SF	6,800	140	( 952)
IN-FLIGHT MEAL KITCHEN	SF	2,000	71	( 142)
SUPPORTING FACILITIES				555
UTILITIES	LS			( 250)
SITE IMPROVEMENTS	LS			( 130)
PAVEMENTS	LS			$(\underline{175})$
SUBTOTAL			ĺ	1,649
CONTINGENCY (5%)				82
TOTAL CONTRACT COST	l			1,731
SUPERVISION, INSPECTION AND OVERHEAD (6%)				104
TOTAL REQUEST	1			1,835
TOTAL REQUEST (ROUNDED)	1	ŀ		1,850
		]		
		1 1		

Description of Proposed Construction: Reinforced concrete footings. foundations, and floor slab. Concrete masonry unit exterior walls with maintenance-free exterior surfaces, structural steel frame, and sloped roof. Landscaping, parking, and all other utilities and necessary support to provide a complete and usable facility.

Air Conditioning: 40 Tons.

11. REQUIREMENT: 8,800 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a consolidated flightline dining facility and in-flight meal kitchen to support Joint Surveillance Target Attack Radar System (JSTARS) operations. (New Mission)

**REQUIREMENT:** An adequate dining facility and in-flight kitchen are required to support the two new JSTARS squadrons to be assigned to this base. This facility must be completed prior to the arrival of the first operational squadron and its assigned personnel in order to prevent undue expense and lost time in providing meals to the JSTARS personnel. The facility must provide capability to store food prior to preparation, prepare and serve complete meals to personnel assigned within the remotely located JSTARS operations area, and produce in-flight meals for personnel serving onboard mission aircraft.

**CURRENT SITUATION:** The existing dining facility at Robins AFB is located over six miles from the JSTARS operations area which makes it very difficult to leave the area, travel across base, park a car, process through the food service line, eat, and return to work within one hour. There are no other dining facilities located on the JSTARS side of the flightline. Additionally, there is no in-flight kitchen at Robins to prepare the special in-flight meals and the existing dining facilities would be overloaded if required to meet the in-flight meal requirements

79

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA	
4. PROJECT TITLE 5.	PROJECT NUMBER
JSTARS EXPANDED FLIGHT KITCHEN	UHHZ953030

for the JSTARS mission.

IMPACT IF NOT PROVIDED: Failure to construct this essential feeding facility will result in the inability to provide proper meals to personnel assigned within the JSTARS operations area without undue expense and lost productivity. Further, there will be no capability to provide expedient in-flight meals to crew members serving onboard JSTARS mission aircraft. ADDITIONAL: This project scope complies with Military Handbook 1190, "Facility Planning and Design Guide." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.

Page No

	FY 1995 MILITARY CONSTRUCTION PROJECT DA (computer generated) ON AND LOCATION	ATA	
. INSTALLATIO			
	IN AND LUCATION		
OBINS AIR FO	RCE BASE, GEORGIA		
. PROJECT TI	TLE	5. PRO.	JECT NUMBER
CTADO EVDANDI	ED FLIGHT KITCHEN	IIIUU'	Z953030
STARS EXPAND	ED FLIGHT KITCHEN	Omn	233030
2. SUPPLEME	NTAL DATA:		
a. Estimato	ed Design Data:		
(1) St.	atus:		
	Date Design Started		93 JUL 15
	Parametric Cost Estimates used to develop	costs	Y
	Percent Complete as of Jan 1994		60%
	Date 35% Designed. Date Design Complete		93 SEP 16 94 MAR 15
(6)	Date Design Complete		94 MAR 13
(2) Bas			
	Standard or Definitive Design -		NO
(ъ)	Where Design Was Most Recently Used -		N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a)	Production of Plans and Specifications		111
(ъ)	All Other Design Costs		37
• • •	Total		148
• - •	Contract		104
(e)	In-house		44
(4) Co	nstruction Start		94 DEC
. Equipment	associated with this project will be provide	ded from	
ther appropr	iations: N/A		

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION 4. PROJECT TITLE	•

JSTARS UTILITIES/MISCELLANEOUS

SUPPORT ROBINS AIR FORCE BASE, GEORGIA

5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST(\$000)

850-000 UHHZ953031 6.47.70 TIARA <u>3,825</u>

9. COST ESTIMATES

			UNIT	COST
I TEM	U/M	QUANTITY	COST	(\$000)
JSTARS UTILITIES/MISCELLANEOUS SUPPORT	LS			2,372
MUNITIONS STORAGE AND MAINTENANCE FAC	SF	2,250	89	( 200)
RELOCATE/WIDEN BLUNK STREET	LF	9,500	94	( 893)
RELOCATE FAA TRANSMITTER FACILITY	LS	Į.	ļ	( 184)
800 TON CENTRAL CHILLER	EA	1	945,000	( 945)
CONSTRUCT GATEHOUSE	SF	300	165	( 50)
CONSTRUCT ROADWAY	LF	400	250	( 100)
SUPPORTING FACILITIES		İ.	Į	910
PAVEMENTS AND SITE IMPROVEMENTS	LS			( 350)
UTILITIES	LS		ļ	( <u>560</u> )
SUBTOTAL	1	1		3,282
CONTINGENCY (10%)				<u>328</u>
TOTAL CONTRACT COST			ĺ	3,610
SUPERVISION, INSPECTION AND OVERHEAD (6%)	1			<u>217</u>
TOTAL REQUEST				3,827
TOTAL REQUEST (ROUNDED)		}		3,825
I .	1	1	l	i 1

10. Description of Proposed Construction: Reinforced concrete footings, foundations and floor slab, CMU walls, fire protection and utilities for munitions facility. Add one 800-ton chiller to the central chilled water plant. Relocate/widen Blunk Street to provide a 24' wide road. Relocate and extend utilities including storm sewer. Relocate FAA facilities. Construct a gatehouse and parking lot, and enlarge flood retention pond.

11. REQUIREMENT: As required.

PROJECT: Construct utility systems and miscellaneous facilities to support Joint Surveillance Target Attack Radar System (JSTARS). (New Mission)

REQUIREMENT: A munitions facility is required to store and maintain unique low level munitions for JSTARS. Also, an additional chiller unit for the central chilled water plant is required to cool JSTARS related facilities on the east side of the base. Rerouting and widening of Blunk Street and relocating associated utilities needs to be accomplished to accommodate the increased traffic and required setbacks from newly constructed facilities. A gatehouse is required for entry control personnel. Relocation of the FAA complex is required to allow construction of a future project to extend the aircraft parking apron. A natural gas distribution line is needed from the metering point to the JSTARS hangar to provide dehumidification required for aircraft corrosion control operations. Upgrade of the weir on the existing flood retention pond is required to increase the pond's capacity to hold increased storm water runoff from impervious surfaces. Additional parking for 141 vehicles is required to accommodate the increased work population. CURRENT SITUATION: No facilities are available that will satisfy JSTARS munitions storage and maintenance requirements. The FY94 MILCON for the

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	•
ROBINS AIR FO	DRCE BASE, GEORGIA	

JSTARS UTILITIES/MISCELLANEOUS SUPPORT

4. PROJECT TITLE

UHHZ953031

5. PROJECT NUMBER

central chilled water plant and utility extension projects were designed to support the requirements for 13 JSTARS aircraft. The remaining aircraft were to be permanently stationed at overseas forward operating bases. This concept of operation was revised to permanently base all JSTARS aircraft at Robins AFB and employ TDY presence overseas. Thus, certain facilities have increased in scope and an additional chiller is required. The reactivation of an unused gate, which will provide access into the JSTARS area, requires that a gatehouse be constructed to support security personnel responsible for entry control. The new access point and gatehouse are required to help reduce congestion on Robins AFB resulting from the beddown of the 2,600 JSTARS personnel on an already congested base. The existing FAA towers and administrative offices are located on the only suitable site for extension of the existing aircraft parking apron necessary to support activation of the JSTARS mission. Adequate natural gas service is not available within the JSTARS area to meet the demands which will be generated by corrosion control operations. The existing width and route of Blunk Street, the main thoroughfare within the JSTARS area, are unacceptable from a traffic management standpoint as well as the functional relationship with the new facilities in the area. The existing flood retention pond is inadequately sized to meet the storm water loads generated in the JSTARS complex. The large amount of development in the area will substantially increase impervious surfaces. IMPACT IF NOT PROVIDED: Failure to provide any part of this project will result in the inability to properly support the beddown of JSTARS at this base. Munitions that cannot be maintained in a safe and combat ready state will not meet the mission requirements of JSTARS. The utility extension is essential for new facilities supporting the new mission. If the FAA facilities are not relocated, no area will be available for aircraft parking ramp.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

. COMPONE	:NT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE		(computer generated)	
. INSTALL	ATÍO	N AND LOCATION	
		CE BASE, GEORGIA	
. PROJECT	TIT	LE	5. PROJECT NUMBER
STARS UTI	LITI	ES/MISCELLANEOUS SUPPORT	UHHZ953031
2. SUPPL	.EMEN	TAL DATA:	
a. Esti	mate	d Design Data:	
(1)	Sta		
		Date Design Started	93 JUL 15
		Parametric Cost Estimates used to develop co	
		Percent Complete as of Jan 1994	602
		Date 35% Designed.	93 SEP 16
	(e)	Date Design Complete	94 MAR 15
(2)	Bas		
		Standard or Definitive Design - Where Design Was Most Recently Used -	no N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	229
	(b)	All Other Design Costs	115
	(c)	Total	344
	(d)	Contract	241
	(e)	In-house	103
(4)	Con	struction Start	95 JAN
		associated with this project will be provided ations: N/A	i from

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

(computer generated)

2. DATE

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

2,200

ROBINS AIR FORCE BASE, GEORGIA UPGRADE STORM DRAINAGE SYSTEM

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

7.80.56 871-183 UHHZ953005 9. COST ESTIMATES

9. COST ESTIMATES							
			UNIT	COST			
ITEM	U/M	QUANTITY	COST	(\$000)			
UPGRADE STORM DRAINAGE SYSTEM	LS			1,636			
RETENTION/DETENTION BASINS	EA	5	170,000	( 850)			
INTERCEPTOR SEWERS	LF	4,200	170	( 714)			
BERMS	LF	800	90	( 72)			
SUPPORTING FACILITIES	1			255			
ELIMINATE CROSS-CONNECTIONS	LS		ļ	( 100)			
CULVERTS	EA	4	12,500	( 50)			
FUEL-WATER SEPARATORS	LS	ļ	Į į	( 50)			
SITE IMPROVEMENTS	LS			( <u> </u>			
SUBTOTAL		i		1,891			
CONTINGENCY (10%)				189			
TOTAL CONTRACT COST				2,080			
SUPERVISION, INSPECTION AND OVERHEAD (6%)		•		125			
TOTAL REQUEST	į			2,205			
TOTAL REQUEST (ROUNDED)				2,200			
TOTAL REQUEST (ROUNDED)				l			

10. Description of Proposed Construction: Install pollution control structures to channel and divert storm water only to the existing storm water collection system; eliminate sanitary and storm sewer cross connections; provide six sampling stations, three retention basins, erosion control, and necessary support.

11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage system. (Current Mission)
REQUIREMENT: This is a Level II environmental compliance requirement.
This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The base is required to be in compliance with the National Pollutant Discharge Elimination System (NPDES) storm water permit by October 1996. The base's individual storm water permit will be issued by 31 July 1994. Installation of pollution control structures will allow only storm water runoff to enter the storm water collection system, which eventually discharges into Horse Creek and the Ocmulgee River. The base is required to certify that non-storm water

discharges are not connected to the storm water system. Corrective actions are required to eliminate sources of pollutants in the storm drainage system.

CURRENT SITUATION: The existing storm water drainage system receives runoff from the flight line and other industrial areas of the base and discharges through ten discharge points into Horse Creek. There are no measures to prevent potential pollutant sources from mixing with storm water runoff and entering aquifers. There are non-storm water discharges connected to the storm water system in violation of the pending storm water NPDES permit.

IMPACT IF NOT PROVIDED: Uncontrolled runoff will result in continued

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION (computer generate	I
	ON AND LOCATION  RCE BASE, GEORGIA	
4. PROJECT TI		5. PROJECT NUMBER UHHZ953005

flooding which will adversely affect mission accomplishment, increase potential health hazards, and increase surface water contamination. The base will be out of compliance with EPA storm water regulations and would be subject to potential fines of up to \$25,000 per day per violation.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, a formal economic analysis was not needed or performed. A certificate of exception has been prepared.

. COMPONEN	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
. INSTALLA	TION AND LOCATION	•
ODYNG 47D	CODER DAGE CEORGIA	
. PROJECT	FORCE BASE, GEORGIA	5. PROJECT NUMBER
. I KOSECI	******	o. Thousand monapan
PGRADE STO	RM DRAINAGE SYSTEM	UHHZ953005
2. SUPPLE	MENTAL DATA:	
a. Estim	ated Design Data:	
(1)	Status:	
	a) Date Design Started	93 JUN 16
	b) Parametric Cost Estimates used to develop co	
	c) Percent Complete as of Jan 1994	35%
	d) Date 35% Designed.	93 SEP 25
(	e) Date Design Complete	94 AUG 28
(2)	Basis:	
	a) Standard or Definitive Design -	NO
(	b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	a) Production of Plans and Specifications	100
	b) All Other Design Costs	196
•	c) Total	296
•	d) Contract	220
(	e) In-house	76
(4)	Construction Start	94 DEC
. Equipme:	nt associated with this project will be provided	d from
4 4	priations: N/A	d IIOm

1. COMPO		1995 MILIT	ADV CO	JC TD IIC	ידוראן ו	n n o c n		13	2. DAT	E E
AIR FORC	I I		puter s			PROGR	CAM			
	LLATION AND LA		<u>,                                    </u>		MMAND				5. ARE	A CONST
										T INDEX
MOUNTAIN	HOME AIR FOR	CE BASE, ID	AHO	AIR C	OMBAT	COM	IAND		1.	15
6. PERSO	NNEL	PERMAN	ENT	SI	UDENTS	S	SUP	PORT	ED	
STREN	GTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of	30 SEP 93	339 2826			55	15			3	3,745
b. End F	Y 1999	352 2767			6				3	3,619
			ENTORY	DATA	(\$000)	)				
	Acreage: (		- •							
	tory Total As								194,86	8
	rization Not									0
	rization Requ								4,95	
	rization Incl				am:	(FY 1	1996)		34,75	
	ed In Next Th		Years	:					4,15	0
	ning Deficien	cy:								0
h. Grand									<u>238,71</u>	.8
	CTS REQUESTED	IN THIS PR	OGRAM:	FY ]	.995					
CATEGORY				_			COST			STATUS
CODE	PROJ.	ECT TITLE		5	COPE		<u>(\$000</u>	<u>))                                   </u>	START	CMPL
701 010	DODY/ TODY/				200					
721-312	DORMITORY					_			93 אנ	JUL 94
0 - 8	<b>D</b> • • • • • • • • • • • • • • • • • • •	<del></del>		D 11	TOTAL		4,95			
	ure Projects:								96)	
113-321	APRON				2,000		•			
	FLIGHTLINE F				4,800					
	AIRCRAFT MAI			4	1,550					
724-417	TRANSIENT PE	RSONNEL QUA	RTERS		83	PN	6,00	00		
831-165	SEWAGE TREAT	MENT & DISP	OSAL			LS	9,85	0		
871-183	STORM DRAINA	GE FACILITI	ES			LS	50	00		
···					TOTAL		34,75	0_		
	ure Projects:						rs:			
721-312	IMPROVE UNAC	COMPANIED E	NLISTE	D	106	PN	50	00		
724-417	BILLETING CO	MPLEX				PN	3,65	0		
10. Mis	sion or Major F-16, F-15,	Functions:			erven	tion	compo	site	wing	which
11. Out	standing poll	ution and s	afety	(OSH)	defic	i enc i	es:			
a.	Air pollution	n:							2,250	}
b.	Water pollut								1,500	
с.	Occupational		health	h:					_,,,,,	
d.	Other Environ								3,833	}
,										

1. COMPONENT	<u></u>		2. DATE
		CONSTRUCTION PROJECT DATA	
AIR FORCE	(comp	uter generated)	
3. INSTALLATIO	N AND LOCATION	4. PROJECT TITLE	

MOUNTAIN HOME AIR FORCE BASE, IDAHO DORMI TORY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

2.75.96C **OYZH923226** 4.950 721-312

ITEM	II /M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (208 PN) SUPPORTING FACILITIES UTILITIES SITE IMPROVEMENTS PAVEMENTS ASBESTOS DISPOSAL/DEMOLITION SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	SF LS LS SY SF	42,000 12,000 34,000	20 8	3,654 775 (120) (145) (240) ( <u>270</u> ) 4,429 <u>221</u> 4,650 <u>279</u> 4,929 4,950

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, with maintenance free exterior masonry walls and standing seam metal roof. Includes room-bath-room modules, laundries, storage and lounge areas, and all supporting facilities. Demolishes three, stacked pre-fabricated trailers currently serving as dormitories.

Air Conditioning: 130 Tons. Grade Mix: 208 E1-E4.

11. REQUIREMENT: 1,098 PN ADEQUATE: 359 PN SUBSTANDARD:

PROJECT: Construct a dormitory. (Current Mission)

**REQUIREMENT:** A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: Mountain Home has the last three modular dormitories in the command. These dormitories were constructed in 1975 by stacking pre-fabricated trailers. They were never intended as permanent facilities and are in bad need of replacement. The rooms do not meet the size criteria and cannot be modified. The doors and windows are loose and allow water and air infiltration, and the roof leaks where the modules are joined together. The buildings are poorly insulated and laden with asbestos. Sound attenuation is poor making rest for shift workers difficult. Bathrooms have old, outdated fixtures and unpleasant finishes. The underlying floor support structure is deteriorating leading to unsafe facilities. The availability of affordable rental units in the local community is extremely limited. Our junior enlisted personnel often experience long delays before adequate accommodations can be obtained.

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DAT (computer generated)	Z. DATE
	ON AND LOCATION  E AIR FORCE BASE, IDAHO	•
4. PROJECT TI	TLE	5. PROJECT NUMBER  OYZH923226

Because of this, adequate dormitories at this base are extremely critical. This project demolishes 34,000 square feet of facilities. IMPACT IF NOT PROVIDED: Airmen at Mountain Home AFB will be forced to live in substandard facilities. The existing facilities are not fully maintainable and will deteriorate to the point that they will have to be closed. Airmen will continue to have extremely limited alternatives available in the local community. Morale, productivity, and career satisfaction will continue to be negatively impacted. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. This project has been considered for FY 98 force structure end strength.

. COMPONE			2. DATE
	FY 1995 MILITARY CONSTRUCTION PRO	DJECT DATA	
IR FORCE	(computer generated)		
	TION AND LOCATION		
	ME AIR FORCE BASE, IDAHO		
. PROJECT	TITLE	5. PR	OJECT NUMBER
ODL/TEODI		037	711002204
ORMITORY			ZH923226
.2. SUPPL	MENTAL DATA:		
a. Esti	ated Design Data:		
	Status:		
	a) Date Design Started		93 JUN 20
	b) Parametric Cost Estimates used to (	develop costs	N
	c) Percent Complete as of Jan 1994		60%
	d) Date 35% Designed.		93 SEP 09
	e) Date Design Complete		94 JUL 01
(2)	Basis:		
	a) Standard or Definitive Design -		YES
	b) Where Design Was Most Recently Use	d -	MT HOME
(3)	Total Cost (c) = (a) + (b) or (d) + (e)	<b>)</b> :	(\$000
	<ul><li>a) Production of Plans and Specificat:</li></ul>	ions	238
	b) All Other Design Costs		158
	c) Total		396
	d) Contract		348
	e) In-house		48
(4)	Construction Start		95 JAN
<b></b>			
	nt associated with this project will be priations: N/A	e provided tro	m
cher appro	priacions. N/A		

91

a. As of 30 SEP 93	1. COMPONE		1005 MILITA	ADV CON	NC TRIIC	TION I	ם מכים		2.	DAT	E
3. INSTALLATION AND LOCATION	AIR FORCE						RUGE	<b>LAM</b>			
ALTER   COST				<u>, , , , , , , , , , , , , , , , , , , </u>					5.	ARE	A CONST
SCOTT AIR FORCE BASE, ILLINOIS   COMMAND   1.14	J. 1				1		ΓY		-		
6. PERSONNEL STRENGTH OFF ENL CIV OFF ENL	SCOTT AIR	FORCE BASE.	ILLINOIS		ŧ		-				
STRENGTH				ENT	<del></del>		3 1	SUPP	ORTEL		
a. As of 30 SEP 93		•	<del></del>								TOTAL
D. End FY 1999   2074   4163   2907   35											10,563
7. INVENTORY DATA (\$000)  a. Total Acreage: ( 3,337) b. Inventory Total As Of: (30 SEP 93) c. Authorization Not Yet In Inventory:	b. End FY	1999	2074 4163	2907	35			130	88	27	9,429
b. Inventory Total As Of: (30 SEP 93) c. Authorization Not Yet In Inventory: 32,710 d. Authorization Requested In This Program: 2,700 e. Authorization Included In Following Program: (FY 1996) 17,100 f. Planned In Next Three Program Years: 393,716 g. Remaining Deficiency: 0			7. INVI	ENTORY	DATA	(\$000)					
b. Inventory Total As Of: (30 SEP 93) c. Authorization Not Yet In Inventory: 32,710 d. Authorization Requested In This Program: 2,700 e. Authorization Included In Following Program: (FY 1996) 17,100 f. Planned In Next Three Program Years: 393,716 g. Remaining Deficiency: 0	a. Total	Acreage: (	3,337)		-						
d. Authorization Requested In This Program: 2,700 e. Authorization Included In Following Program: (FY 1996) 17,100 f. Planned In Next Three Program Years: 13,150 g. Remaining Deficiency: 0 h. Grand Total: 393,716  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CHARCOLD FULL STORAGE TANKS SCOPE (\$000) STAR				EP 93)					32	28,05	6
e. Authorization Included In Following Program: (FY 1996)  f. Planned In Next Three Program Years:  g. Remaining Deficiency:  h. Grand Total:  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY  CODE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  (\$000)  START CH  411-135 UNDERGROUND FUEL STORAGE TANKS  35 EA  7070AL:  70	c. Authori	ization Not	Yet In Inver	ntory:					3	32,71	0
f. Planned In Next Three Program Years: g. Remaining Deficiency: h. Grand Total: 393,716  8. RROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CP  411-135 UNDERGROUND FUEL STORAGE TANKS 35 EA 2,700 JUL 93 JUL 70TAL: 2,700  9a. Future Projects: Included in the Following Program (FY 1996) 130-142 FIRE/CRASH RESCUE STATION 11,000 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,950 721-312 DORMITORY 200 PN 8,000 724-417 ADD TO AND ALTER VISITING 60 PN 5,400 OFFICERS QUARTERS  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950 HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	d. Authori	ization Requ	ested In Thi	is Prog	gram:					2,70	0
g. Remaining Deficiency: h. Grand Total:  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY CODE PROJECT TITLE SCOPE (\$000)  TOTAL: 2,700  9a. Future Projects: Included in the Following Program (FY 1996) 130-142 FIRE/CRASH RESCUE STATION 11,000 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,750 0FFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500  10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	e. Authori	ization Incl	uded In Foll	lowing	Progr	am: (	FY 1	996)	1	7,10	0
R. Grand Total:  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY  CODE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  (\$000)  START  CH  11-135  UNDERGROUND FUEL STORAGE TANKS  35 EA 2,700  TOTAL: 2,700  9a. Future Projects: Included in the Following Program (FY 1996)  130-142 FIRE/CRASH RESCUE STATION  11,000 SF 1,750  141-753 SQUADRON OPERATIONS FACILITY  12,300 SF 1,950  721-312 DORMITORY  200 PN 8,000  OFFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years:  113-321 APRONS  22,500 SY 1,650  721-312 ALTER UNACCOMPANIED ENLISTED  HSG  730-773 ADD TO CHAPEL CENTER  11,000 SF 1,250  822-265 REPAIR STEAM HEATING MAINS  5,000 LF 3,500  10. Mission or Major Functions: Headquarters United States  Transportation Command; Headquarters Air Mobility Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	f. Planned	d In Next Th	ree Program	Years	:				1	3,15	0
R. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY  CODE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  SCOPE  (\$000)  START CH  11-135 UNDERGROUND FUEL STORAGE TANKS  35 EA 2.700 JUL 93 JUL  TOTAL: 2,700  9a. Future Projects: Included in the Following Program (FY 1996)  130-142 FIRE/CRASH RESCUE STATION  11,000 SF 1,750  141-753 SQUADRON OPERATIONS FACILITY  12,300 SF 1,950  721-312 DORMITORY  200 PN 8,000  724-417 ADD TO AND ALTER VISITING  OFFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years:  113-321 APRONS  721-312 ALTER UNACCOMPANIED ENLISTED  HSG  721-312 ALTER UNACCOMPANIED ENLISTED  HSG  730-773 ADD TO CHAPEL CENTER  11,000 SF 1,250  B22-265 REPAIR STEAM HEATING MAINS  5,000 LF 3,500  10. Mission or Major Functions: Headquarters United States  Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	g. Remain:	ing Deficien	cy:								0
CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CP  411-135 UNDERGROUND FUEL STORAGE TANKS TOTAL: 2,700  9a. Future Projects: Included in the Following Program (FY 1996) 130-142 FIRE/CRASH RESCUE STATION 11,000 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,950 721-312 DORMITORY 200 PN 8,000 OFFICERS QUARTERS TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950 HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	h. Grand	Total:							39	3,71	6
CODE PROJECT TITLE SCOPE (\$000) START CP  411-135 UNDERGROUND FUEL STORAGE TANKS 35 EA 2,700 JUL 93 JUL  707AL: 2,700  9a. Future Projects: Included in the Following Program (FY 1996) 130-142 FIRE/CRASH RESCUE STATION 11,000 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,950 721-312 DORMITORY 200 PN 8,000  724-417 ADD TO AND ALTER VISITING 60 PN 5,400  OFFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950  HSG  721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800  HSG  730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:		TS REQUESTED	IN THIS PRO	OGRAM:	FY 1	<b>9</b> 95					
411-135 UNDERGROUND FUEL STORAGE TANKS  35 EA 2,700 JUL 93 JUL 94 JUL 95											
9a. Future Projects: Included in the Following Program (FY 1996) 130-142 FIRE/CRASH RESCUE STATION 11,000 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,950 721-312 DORMITORY 200 PN 8,000 724-417 ADD TO AND ALTER VISITING 60 PN 5,400 OFFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950 HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.	CODE	<u>PROJ</u>	ECT TITLE		<u>s</u>	COPE		<u>(\$000)</u>	<u>S1</u>	ART	CMPL
9a. Future Projects: Included in the Following Program (FY 1996) 130-142 FIRE/CRASH RESCUE STATION 11,000 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,950 721-312 DORMITORY 200 PN 8,000 724-417 ADD TO AND ALTER VISITING 60 PN 5,400 OFFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950 HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.					_						
9a. Future Projects: Included in the Following Program (FY 1996) 130-142 FIRE/CRASH RESCUE STATION 11,000 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,950 721-312 DORMITORY 200 PN 8,000 724-417 ADD TO AND ALTER VISITING 60 PN 5,400 OFFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950 HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	411-135 T	UNDERGROUND	FUEL STORAGI	E TANKS					JUI	. 93	JUL 94
130-142 FIRE/CRASH RESCUE STATION 11,000 SF 1,750 141-753 SQUADRON OPERATIONS FACILITY 12,300 SF 1,950 721-312 DORMITORY 200 PN 8,000 724-417 ADD TO AND ALTER VISITING 0FFICERS QUARTERS TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950 HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield. 11. Outstanding pollution and safety (OSH) deficiencies:											
141-753 SQUADRON OPERATIONS FACILITY  12,300 SF 1,950  721-312 DORMITORY  200 PN 8,000  724-417 ADD TO AND ALTER VISITING  OFFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years:  113-321 APRONS  22,500 SY 1,650  721-312 ALTER UNACCOMPANIED ENLISTED  HSG  721-312 ALTER UNACCOMPANIED ENLISTED  225 PN 3,800  HSG  730-773 ADD TO CHAPEL CENTER  11,000 SF 1,250  822-265 REPAIR STEAM HEATING MAINS  5,000 LF 3,500  10. Mission or Major Functions: Headquarters United States  Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:									1996	)	
721-312 DORMITORY 724-417 ADD TO AND ALTER VISITING OFFICERS QUARTERS  TOTAL:  17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500  10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:											
724-417 ADD TO AND ALTER VISITING OFFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650  721-312 ALTER UNACCOMPANIED ENLISTED HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500  10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:			RATIONS FAC	ILITY	1	•		•			
OFFICERS QUARTERS  TOTAL: 17,100  9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650  721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950  HSG  721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800  HSG  730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500  10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:								•			
9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950 HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	/24-41/ #			NG		60	PN	5,400			
9b. Future Projects: Typical Planned Next Three Years: 113-321 APRONS 22,500 SY 1,650 721-312 ALTER UNACCOMPANIED ENLISTED 144 PN 2,950 HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:		OFFICERS QU	AKIEKS			TOTAL .		17 100			
113-321 APRONS  721-312 ALTER UNACCOMPANIED ENLISTED  HSG  721-312 ALTER UNACCOMPANIED ENLISTED  HSG  721-312 ALTER UNACCOMPANIED ENLISTED  HSG  730-773 ADD TO CHAPEL CENTER  11,000 SF  1,250  822-265 REPAIR STEAM HEATING MAINS  5,000 LF  3,500  10. Mission or Major Functions: Headquarters United States  Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications  Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	Qh Futu	- Projects:	Timical Di	lannad							
721-312 ALTER UNACCOMPANIED ENLISTED  HSG  721-312 ALTER UNACCOMPANIED ENLISTED  HSG  730-773 ADD TO CHAPEL CENTER  225 PN 3,800  HSG  730-773 ADD TO CHAPEL CENTER  11,000 SF 1,250  822-265 REPAIR STEAM HEATING MAINS  5,000 LF 3,500  10. Mission or Major Functions: Headquarters United States  Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:			Typical P	Tamied							
HSG 721-312 ALTER UNACCOMPANIED ENLISTED 225 PN 3,800 HSG 730-773 ADD TO CHAPEL CENTER 11,000 SF 1,250 822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500 10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:			MPANIED ENI	TOTED				•			
T21-312 ALTER UNACCOMPANIED ENLISTED  HSG  730-773 ADD TO CHAPEL CENTER  822-265 REPAIR STEAM HEATING MAINS  10. Mission or Major Functions: Headquarters United States  Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift  Control Center; Air Force Command, Control, Communications and Computer  Agency; Air Weather Service; USAF Environmental Technical Applications  Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force  Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	,		II MILD LND.	19100		144	LIA	2,900			
730-773 ADD TO CHAPEL CENTER  822-265 REPAIR STEAM HEATING MAINS  10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	721-312	ALTER UNACCO	MPANIED ENL	ISTED		225	PN	3,800			
822-265 REPAIR STEAM HEATING MAINS 5,000 LF 3,500  10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	730-773		I. CENTED		1	1 000	G E	1 250			
10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:				TNC							
Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:											
Control Center; Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:										. /A :	1; 6.
Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	Control Co	enter: Air F	orce Command	d. Cont	trol	Commun	1 i Cat	ione e	nd Ca	MUNIT	
Center; an airlift wing (C-9, C-12 and C-21 aircraft); an Air Force Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	Agency: Ai	ir Weather S	ervice: NSA	E, Com. F Envi:	ronmen	tel Ta	chni	ical An	nu cc	mput	er
Reserve C-9 associate aeromedical airlift group; and a major USAF medical center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	Center: an	n airlift wi	ng (C-9. C-1	12 and	C-21	aircra	efr)	an Ai	r For		.5
center. Also, a joint military/civil use airfield.  11. Outstanding pollution and safety (OSH) deficiencies:	Reserve C	-9 associate	aeromedical	l sirli	ift or	Ollu. a	and s	maior	IICAE	.ce Tmad	ical
11. Outstanding pollution and safety (OSH) deficiencies:	center. /	Also, a ioin	t military/	civil ı	ıse ai	rfield	1.		JUNI	EU	
a. Air pollution:	11. Outst	tanding poll	ution and sa	afety (	(OSH)	defici	enci	es:	<del></del>	<del></del>	
_ ·- r	a. 1	Air pollutio	n:							n	ı
b. Water pollution:											
c. Occupational safety and health:				health	n:					_	
d. Other Environmental:					- •						
· · · · · · · · · · · · · · · · · · ·										U	

1. COMPONENT					2.	DATE
	FY 1995 MILITARY	CONSTRUCTIO	ON PRO	JECT DATA	A	
AIR FORCE	(compu	ter general	ed)			
3. INSTALLATION A	ND LOCATION	4	. PRO.	JECT TITL	3	
	•					
SCCTT AIR FORCE E				ROUND FUE		
5. PROGRAM ELEMEN	T 6. CATEGORY COD	E 7. PROJEC	CT NU	ABER 8.	PROJECT (	COST(\$000)
				1		
4.18.56	411-135	VDYD9	<del></del>			2,700
	9. CO	ST ESTIMAT	<u>es</u>			
					UNIT	COST
	ITEM		_	QUANTITY	COST	(\$000)
UNDERGROUND FUEL			EA	35		1,684
	OUND STORAGE TANK	<b>S</b>	EA	10		
UNDERGROUND STO			EA		121,670	
ABOVEGROUND STO			EA	6	85,000	
TANK REMOVAL/DI			EA	16	29,690	
SUPPORTING FACILI	TIES		1	ļ		625
UTILITIES	·ma		LS			( 25)
SITE IMPROVEMEN	- = -		LS			( 50)
SOIL REMEDIATION	)N		172			(550)
SUBTOTAL (10%)			ł			2,309
CONTINGENCY (10%)			1	}		$\frac{231}{2,540}$
TOTAL CONTRACT CO		PAD (69)		ĺ		
TOTAL REQUEST	PECTION AND OVERHE	WD (0%)		1	Ì	$\frac{152}{2,692}$
TOTAL REQUEST (RO	MINITER /		1	1		2,692
TOTAL KEGOESI (KO	JURUEU /		- 1	1	l	2,700

10. Description of Proposed Construction: Remove 16 Underground Storage Tanks (UST), install 3 new UST, 6 new Aboveground Storage Tanks (AST), and upgrade 10 UST. Work includes providing leak detection, corrosion protection and spill/overflow prevention systems, soil remediation, site work, utilities and other necessary support.

11. REQUIREMENT: As required.

<u>PROJECT</u>: Remove, install and upgrade underground fuel storage tanks. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance project. This project is required to upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by December 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated USTs to have leak detection, corrosion protection, and spill/overflow prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition may be upgraded in place to bring them into compliance with applicable UST standards.

CURRENT SITUATION: The fuel storage tanks included in this project have exceeded their design life and are in need of replacement. All tanks are out of compliance with the 1998 EPA standards. All of the regulated USTs require annual integrity (tightness) testing, daily fluid level monitoring and monthly inventory reconciliation and control, since they lack the proper continuous monitoring appliances and controls. If these tasks are not performed, the exposure to environmental liability will increase. These liabilities can be eliminated through the installation of the new

	1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
		ION AND LOCATION  RCE BASE, ILLINOIS	
•	4. PROJECT T		. PROJECT NUMBER
	INDERGROUND I	PILET STORAGE TANKS	VDVD963051

USTs, aboveground storage tanks (ASTs) and associated continuous monitoring/alarm systems.

IMPACT IF NOT PROVIDED: Failure to bring the USTs into environmental compliance will result in Scott AFB receiving a Notice of Violation (NOV) from the regulators. This will ultimately result in fines and unfavorable publicity for the Air Force and DoD. All tanks must meet regulations or be permanently closed. The absence of sufficient fuel storage due to mandatory tank closure would seriously jeopardize the base's mission. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies regulatory and operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. These fuel storage tanks must be replaced by December 1998 in accordance with federal environmental compliance regulatory laws. Project has been considered for FY98 force structure end strength.

	NT FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
. INSTALL	ATION AND LOCATION	
	DARAN BAAR TITIVATA	
. PROJECT	FORCE BASE, ILLINOIS	PROJECT NUMBER
. PRUJECI	111111111111111111111111111111111111111	PROJECT NUMBER
NDERGROUN	D FUEL STORAGE TANKS	VDYD963051
.2. SUPPL	EMENTAL DATA:	
a. Esti	mated Design Data:	
(1)	Status:	
(-,	(a) Date Design Started	93 JUL 16
	(b) Parametric Cost Estimates used to develop cost	.s Y
	(c) Percent Complete as of Jan 1994	35%
	(d) Date 35% Designed.	94 JAN 14
	(e) Date Design Complete	94 JUL 13
(2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
(0)	(a) Production of Plans and Specifications	160
	(b) All Other Design Costs	90
	(c) Total	250
	(d) Contract	200
	(e) In-house	50
	Company of the Character of the Characte	
(4)	Construction Start	95 JAN
. Equipm	ent associated with this project will be provided for opriations: N/A	95 JAN From
. Equipm	ent associated with this project will be provided f	22 332
. Equipm	ent associated with this project will be provided f	
. Equipm	ent associated with this project will be provided f	
. Equipm	ent associated with this project will be provided f	
. Equipm	ent associated with this project will be provided f	22 332
. Equipm	ent associated with this project will be provided f	22 332
. Equipm	ent associated with this project will be provided f	
. Equipm	ent associated with this project will be provided f	22 332
o. Equipm	ent associated with this project will be provided f	22 332
. Equipm	ent associated with this project will be provided f	22 332

						<del></del>		
1. COMPONENT		<b>60116 mm 114</b>					2. DAT	'E
Į.	Y 1995 MILITARY		_	PROGE	CAM			
AIR FORCE  3. INSTALLATION AND	(compute		DMMAND				S ADE	A CONST
J. INSTRUMENTON AND	DOCATION	1 -	OBILI:					T INDEX
MCCONNELL AIR FORCE	BASE KANSAS	COMM		••				99
6. PERSONNEL	PERMANENT		CUDENT	S	SUP	PORT		
STRENGTH	OFF ENL CI			CIV		ENL		TOTAL
a. As of 30 SEP 93		60	88					3,510
b. End FY 1999		71					10	3,627
	7. INVENTO	RY DATA	(\$000	)				
a. Total Acreage: (	•							
b. Inventory Total A							283,85	
c. Authorization Not							17,71	
d. Authorization Req				/			50	
e. Authorization Inc			ram:	(FY I	1996)		10,45	4
f. Planned In Next T		rs:					28,10	_
<ul><li>g. Remaining Deficie</li><li>h. Grand Total:</li></ul>	ncy:						340,61	0
8. PROJECTS REQUESTE	D IN THIS PROCEA	M: FV	995				J40,01	
CATEGORY	~ IN THIS EROOM	··· II .	. , , , ,		COST	г	ESTON	STATUS
	JECT TITLE	9	SCOPE		(\$000	_	START	CMPL
2002	<del></del>		<del>, , , , ,</del>		7000	<del>/</del>	<u> </u>	<u> </u>
871-183 UPGRADE STO	RM DRAINAGE			LS	50	0 S	EP 93	AUG 94
FACILITIES								
			TOTAL		50			
	: Included in t					Y 19	96)	
•	ERATIONS FACILIT		40,860	SF	6,10	0		
831-157 INDUSTRIAL				EA	1,15			
871-183 STORM DRAIN			35,000		1,20			
871-183 STORM DRAIN			35,000		1,20			
	UPPRESSION SYSTE	M		LS	80	0		
FOR FUEL C	ELL		<b>70747</b>	_	10 / 5	_		
9b. Future Projects	: Typical Plann	od Nosst	TOTAL		10,45	<u>U</u>		
111-111 UPGRADE RUN		ed Next	inree	LS		0		
121-000 AIRCRAFT DI			4,850		3,10 1.60			
	RSONNEL SUPPORT		48,250		6,40			
CENTER	DOLLONI	•	,	J.	J, 70	•		
690-000 PROCUREMENT	FACILITY		8,000	SF	1,40	0		ł
740-884 ADD TO AND			27,300		2,60			
DEVELOPMEN						-		
10. Mission or Majo	r Functions: An	air re	fuelin	g wir	ng (KC	-135	aircr	aft);
an Air Combat Comman	d bomb squadron	(B-1 ai:	rcraft	); ar	nd an	Air	Nation	al
Guard fighter group	(F-16 aircraft)	which w	ill co	nvert	to B	-1B	aircra	ft.
<ol><li>Outstanding pol</li></ol>	lution and safet	y (OSH)	defic	ienci	ies:			
4								
a. Air polluti							0	
b. Water pollu		146.					2,350	
d. Other Envir	l safety and hea	TEU:					0	
g. Other Envir	OINGUEST:						0	'
								]
								]

995 MILITARY CON (computer ) ATION E,  PERMANENT OFF ENL   CIV 907   4789   1092 955   4955   1255 7. INVENTORY	4. COMMA AIR COM STUDE OFF EN	ND ABAT COI	MMAND SUPPO OFF E	COS 0.	A CONST T INDEX 84 TOTAL
PERMANENT OFF   ENL   CIV 907   4789   1092 955   4955   1255 7. INVENTORY	AIR COMMA STUDE OFF EN	ABAT COL ENTS IL CIV	SUPPO OFF E	COS 0. RTED NL CIV	T INDEX
PERMANENT  OFF ENL CIV  907 4789 1092  955 4955 1255  7. INVENTORY	STUDE OFF EN	NTS	SUPPO OFF E	COS 0. RTED NL CIV	T INDEX
PERMANENT  OFF ENL CIV  907 4789 1092  955 4955 1255  7. INVENTORY	STUDE OFF EN	NTS	SUPPO OFF E	RTED   NL   CIV	84
OFF ENL CIV 907 4789 1092 955 4955 1255 7. INVENTORY	OFF EN	IL CIV	OFF E	RTED NL CIV	
OFF ENL CIV 907 4789 1092 955 4955 1255 7. INVENTORY	OFF EN	IL CIV	OFF E	NL CIV	TOTAL
907 4789 1092 955 4955 1255 7. INVENTORY	5		1		
955 4955 1255 7. INVENTORY					7,304
7. INVENTORY	<del></del>		38	362 12	7,577
	DATA (SI	100)		3021 121	-,,,,,,
22,382)					
f: (30 SEP 93)				218,00	5
				•	
	oram:				
		(FY	1996)	1,50	0
_	_	(11.		17 75	•
_	•			17,73	0
•				271 00	-
N THIS PROCRAM.	FY 1005	<del></del>		2/1,75	
W THIS PROGRAM.	11 1773	•	ርበፍጥ	DESTON	CTATHE
י דודוד	grnp	F			CMPL
1_11166	<u>300r</u>	<u>L</u>	(30007	SIAKI	CHEL
DRAINAGE		LS	1,500	JUN 93	JUL 9
	тот	`AT.:	1.500		
Included in the				1996) NC	NE.
Typical Planned	Next Thr	ee Year	rs:		
	18.2				
	,-		•		
			3,000		
	quarters	Eighth	Air For	ce: a fl	vino
					cring
OA-10 aircraft)	. B-52 as	sociat	homb e	roup an	d
	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 505 6	roup, an	
	(OSH) def	icienc	ies:		
,					
				1.500	1
	h:				
	•••			_	
ental.				2,500	,
	t In Inventory: ted In This Pro- ed In Following e Program Years:  N THIS PROGRAM:  T TITLE  DRAINAGE  Included in the Typical Planned G SYSTEM SS CENTER ER STORM LITIES unctions: Head B-52 squadrons and KC-135 air OA-10 aircraft) ueling group. ion and safety  n:	t In Inventory: ted In This Program: ed In Following Program: e Program Years: :  N THIS PROGRAM: FY 1995  T TITLE SCOP  DRAINAGE  TOT  Included in the Followin Typical Planned Next Thr G SYSTEM SS CENTER 18,2 ER STORM LITIES unctions: Headquarters B-52 squadrons; Air Mob and KC-135 aircraft); a OA-10 aircraft), B-52 as ueling group. ion and safety (OSH) def	t In Inventory: ted In This Program: ed In Following Program: (FY in the image) e Program Years: :  N THIS PROGRAM: FY 1995  T TITLE  DRAINAGE  DRAINAGE  SCOPE  TOTAL:  Included in the Following Program Typical Planned Next Three Years G SYSTEM  LS SS CENTER 18,200 SF ER STORM  LS LITIES unctions: Headquarters Eighth B-52 squadrons; Air Mobility (In the image) and KC-135 aircraft); and Air OA-10 aircraft), B-52 associated ueling group. ion and safety (OSH) deficiences  n: afety and health:	t In Inventory: ted In This Program: ed In Following Program: (FY 1996) e Program Years: :  N THIS PROGRAM: FY 1995  COST TITLE SCOPE  TOTAL: 1,500  TOTAL: 1,500  Included in the Following Program (FY Typical Planned Next Three Years: G SYSTEM LS 12,000 SS CENTER 18,200 SF 2,450 ER STORM LS 3,300  LITIES unctions: Headquarters Eighth Air For B-52 squadrons; Air Mobility Command and KC-135 aircraft); and Air Force R OA-10 aircraft), B-52 associate bomb gueling group. ion and safety (OSH) deficiencies:  n: afety and health:	t In Inventory:  ted In This Program: ed In Following Program: (FY 1996) e Program Years:  271,99  N THIS PROGRAM: FY 1995  COST DESIGN T TITLE SCOPE (\$000) START  DRAINAGE LS 1,500 JUN 93  TOTAL: 1,500  Included in the Following Program (FY 1996) NO Typical Planned Next Three Years: G SYSTEM LS 12,000 SS CENTER 18,200 SF 2,450 ER STORM LS 3,300  LITIES unctions: Headquarters Eighth Air Force; a fl B-52 squadrons; Air Mobility Command air refu and KC-135 aircraft); and Air Force Reserve OA-10 aircraft), B-52 associate bomb group, an ueling group. ion and safety (OSH) deficiencies:  1,500 n: afety and health:

. COMPONENT								1	2.	DATE
_	F	Y 1995 MILITARY	CONS	TRUCT	ION PR	OJECT	DATA	<b>.</b>		
IR FORCE		(compu	ter_	gener	ated)					
. INSTALLATI	ON ANI	LOCATION		- 1	4. PRO	JECT :	TITLE	5		
				- 1	<b>UPGRAD</b>	E STO	RM DE	RAINAC	E	
		E BASE, LOUISIAN			FACILI'					
. PROGRAM EL	EMENT	6. CATEGORY COD	E 7.	PROJ	ECT NU	MBER	8. E	ROJEC	T	COST(\$000
										·
2.74.56C		871-183		AWUB	952500					1,500
		9. CO	ST E	STIMA	TES					
								UNIT	[	COST
		ITEM				QUAN'	TITY	COST	<u> </u>	(\$000)
=		NAGE FACILITIES			LS	]	j			400
UPPORTING FA										950
•		TORM DRAINAGE LI	NES		LS					( 550
CORRECT CRO	SS-COI	NNECTIONS			LS	1				(400
UBTOTAL										1,350
ONTINGENCY (	,									68
OTAL CONTRAC										1,418
		CTION AND OVERHE	AD (	6%)		ļ				85
OTAL REQUEST										1,503
OTAL REQUEST	(ROUL	NDED)								1,500
					- 1	ľ	1	I		1

10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of cross-connections, connection of non-storm water discharges to the sanitary sewer, repair of broken or misaligned storm drainage lines, and construction of storm water diversion structures. Connect oil/water separators, and provide necessary support.

11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage facilities. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement.

This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit is scheduled to be issued in Jul 94. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system.

Corrective actions are required to eliminate sources of pollutants to the storm drain.

CURRENT SITUATION: The base does not provide storm water runoff control measures from the industrial areas of the base. There are existing cross-connections which are not allowed by the NPDES permit. Some non-storm water discharges (process and sanitary wastewater) are connected to or seep into the storm drainage system which is not allowed by the NPDES permit.

IMPACT IF NOT PROVIDED: Barksdale AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of

	<del></del>	
1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
BARKSDALE AII	R FORCE BASE, LOUISIANA	
4. PROJECT T		5. PROJECT NUMBER
IDCDADE CTOD	M DRAINAGE FACILITIES	AWUB952500
OFGRADE STOR	T DARINAGE PROTECTIES	AWOD9JZJUU
this project	dbook 1190, "Facility Planning and Design Guid does meet the criteria/scope specified in Air ard Facility Requirements".	le." However, Force Manual
l		
	•	
	-	

. COMPONE	NT		2. DATE
		FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
IR FORCE		(computer_generated)	
. INSTALL	ATIO	N AND LOCATION	
BARKSDALE	AIR	FORCE BASE, LOUISIANA	
. PROJECT	TIT	LE   5. P	ROJECT NUMBER
JPGRADE ST	ORM	DRAINAGE FACILITIESA	WUB952500
		TAL DATA:	
.z. SuffL	ENEN	IND DATA.	
a. Esti	mate	d Design Data:	
(1)		·	
		Date Design Started	93 JUN 15
		Parametric Cost Estimates used to develop costs	
		Percent Complete as of Jan 1994	60%
		Date 35% Designed.	93 SEP 16
	(e)	Date Design Complete	94 JUL 15
(2)		<del></del>	
		Standard or Definitive Design -	NO
	(b)	Where Design Was Most Recently Used -	N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	(a)	Production of Plans and Specifications	70
		All Other Design Costs	50
		Total	120
		Contract	80
	(e)	In-house	40
(4)	Con	struction Start	95 JAN
. Equipm	ent	associated with this project will be provided fr	·Om
		ations: N/A	

1. COMPONENT
AIR FORCE
3. INSTALLATION AND LOCATION
ANDREWS AIR FORCE BASE, MARYLAND  6. PERSONNEL  97
ANDREWS AIR FORCE BASE, MARYLAND COMMAND 6. PERSONNEL PERMANENT STUDENTS SUPPORTED STRENCTH OPF ENL CIV OFF ENL CI
6. PERSONNEL STRENGTH OFF ENL CIV OFF ENL CIV OFF ENL CIV OTAL  a. As of 30 SEP 93 1136 4110 1773 159 142 15 122 1136 164 8,777 b. End FY 1999 1111 4150 1888 7. INVENTORY DATA (\$000)  a. Total Acreage: (7,489) b. Inventory Total As Of: (30 SEP 93) c. Authorization Not Yet In Inventory: 20,100 d. Authorization Requested In This Program: (FY 1996) 22,760 e. Authorization Included In Following Program: (FY 1996) 22,760 f. Planned In Next Three Program Years: 46,640 g. Remaining Deficiency: 00 h. Grand Total: 471,096  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL  TOTAL: 6,300  9a. Future Projects: Included in the Following Program (FY 1996)  219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260 721-312 DORMITORY 348 PN 5,900  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790 SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
STRENGTH
a. As of 30 SEP 93   1136   4110   1773   159   142   15   122   1156   164   8,777   b. End FY 1999   1111   4150   1888   9   140   1069   2   8,360    7. INVENTORY DATA (\$000)  a. Total Acreage: (7,489) b. Inventory Total As Of: (30 SEP 93)   375,296   c. Authorization Not Yet In Inventory:   20,100   d. Authorization Requested In This Program: (FY 1996)   22,760   e. Authorization Included In Following Program: (FY 1996)   22,760   f. Planned In Next Three Program Years:   46,640   g. Remaining Deficiency:   0   h. Grand Total:   471,096   8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995   CATEGORY   COST   DESIGN STATUS   CODE   PROJECT TITLE   SCOPE   (\$000)   START   CMPL    721-312 DORMITORY   105 PN   6,300   AUG 93 NOV 94   TOTAL:   6,300   ADMINISTRATION   348 PN   5,900   ADMINISTRATION   348 PN   5,900   411-135 UNDERGROUND FUEL STORAGE TANKS   LS 9,260   721-312 DORMITORY   348 PN   5,900   9b. Future Projects: Typical Planned Next Three Years:   121-122 REPLACE HYDRANT REFUELING   LS 9,790   SYSTEMS   SYSTEMS   218-712 ACFT SPRT EQUIP SHOP/STORAGE   13,900 SF 2,450   411-135 IMPROVE JET FUEL STORAGE   LS 4,200   411-135 IMPROVE JET FUEL STORAGE   LS 4,200   411-135 IMPROVE JET FUEL STORAGE   LS 4,200   411-135 IMPROVE JET FUEL STORAGE   LS 8,250   10. Mission or Major Functions: An airlift wing which performs   Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & URI- helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
D. End FY 1999   1111   4150   1888   140   1069   2   8,360
7. INVENTORY DATA (\$000)  a. Total Acreage: (7,489) b. Inventory Total As Of: (30 SEP 93) c. Authorization Not Yet In Inventory: 20,100 d. Authorization Requested In This Program: 6,300 e. Authorization Included In Following Program: (FY 1996) 22,760 f. Planned In Next Three Program Years: 46,640 g. Remaining Deficiency: 0 h. Grand Total: 471,096  B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY COST DESIGN STATUS CODE PROJECT TITLE SCOPE (\$000) START CMPL  721-312 DORMITORY 105 PN 6,300 AUG 93 NOV 94 TOTAL: 6,300  9a. Future Projects: Included in the Following Program (FY 1996) 219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260 721-312 DORMITORY 348 PN 5,900 TOTAL: 22,760  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790 SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlifft wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlifft squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
b. Inventory Total As Of: (30 SEP 93)  c. Authorization Not Yet In Inventory: 20,100  d. Authorization Requested In This Program: 6,300  e. Authorization Included In Following Program: (FY 1996) 22,760  f. Planned In Next Three Program Years: 46,640  g. Remaining Deficiency: 0  h. Grand Total: 471,096  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL  721-312 DORMITORY 105 PN 6,300 AUG 93 NOV 94  TOTAL: 6,300  9a. Future Projects: Included in the Following Program (FY 1996)  219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600  ADMINISTRATION  411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260  721-312 DORMITORY 348 PN 5,900  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790  SYSTEMS  218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
b. Inventory Total As Of: (30 SEP 93)  c. Authorization Not Yet In Inventory: 20,100  d. Authorization Requested In This Program: 6,300  e. Authorization Included In Following Program: (FY 1996) 22,760  f. Planned In Next Three Program Years: 46,640  g. Remaining Deficiency: 0  h. Grand Total: 471,096  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL  721-312 DORMITORY 105 PN 6,300 AUG 93 NOV 94  TOTAL: 6,300  9a. Future Projects: Included in the Following Program (FY 1996)  219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600  ADMINISTRATION  411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260  721-312 DORMITORY 348 PN 5,900  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790  SYSTEMS  218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 4,200  411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Gorps flying units.
C. Authorization Not Yet In Inventory:  d. Authorization Requested In This Program:  e. Authorization Included In Following Program: (FY 1996)  f. Planned In Next Three Program Years:  f. Planned In Next Three Program Years:  g. Remaining Deficiency:  h. Grand Total:  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY  CODE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  (\$000)  START CMPL  TOTAL:  6,300  9a. Future Projects: Included in the Following Program (FY 1996)  219-944 ADD TO AND ALTER BASE ENGINEER  45,800 SF 7,600  ADMINISTRATION  411-135 UNDERGROUND FUEL STORAGE TANKS  ADMINISTRATION  411-135 UNDERGROUND FUEL STORAGE TANKS  PS. Future Projects: Typical Planned Next Three Years:  121-122 REPLACE HYDRANT REFUELING  SYSTEMS  218-712 ACFT SPRT EQUIP SHOP/STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  13,900 SF 2,450  411-135 IMPROVE JET FUEL STORAGE  LS 4,200  411-135 IMPROVE JET FUEL STORAGE  1. 4,200  411-135 IMPROVE JET FUEL STORAGE  4. 4,200  4. 4,200  4. 4,200  4. 4,200  4. 4,200  4. 4,200  4. 4,200  4. 4,200  4. 4,2
e. Authorization Included In Following Program: (FY 1996) 22,760 f. Planned In Next Three Program Years: 46,640 g. Remaining Deficiency: 0 h. Grand Total: 471,096  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995 CATEGORY COST DESIGN STATUS CODE PROJECT TITLE SCOPE (\$000) START CMPL  721-312 DORMITORY 105 PN 6,300 AUC 93 NOV 94 TOTAL: 6,300 9a. Future Projects: Included in the Following Program (FY 1996) 219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260 721-312 DORMITORY 348 PN 5,900 TOTAL: 22,760  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790 SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
e. Authorization Included In Following Program: (FY 1996) 22,760 f. Planned In Next Three Program Years: 46,640 g. Remaining Deficiency: 0 h. Grand Total: 471,096  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995 CATEGORY COST DESIGN STATUS CODE PROJECT TITLE SCOPE (\$000) START CMPL  721-312 DORMITORY 105 PN 6,300 AUC 93 NOV 94 TOTAL: 6,300 9a. Future Projects: Included in the Following Program (FY 1996) 219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260 721-312 DORMITORY 348 PN 5,900 TOTAL: 22,760  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790 SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL  721-312 DORMITORY 105 PN 6,300 AUG 93 NOV 94 TOTAL: 6,300 Pa. Future Projects: Included in the Following Program (FY 1996) 219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS SUNDERGROUND FUEL STORAGE TANKS SYSTEMS 121-122 REPLACE HYDRANT REFUELING SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE 15 4,200 411-135 IMPROVE JET FUEL STORAGE 16 4,200 411-135 IMPROVE JET FUEL STORAGE 17 4,200 411-135 IMPROVE JET FUEL STORAGE 18 4,200 411-135 IMPROVE JET FUEL STORAGE 19 8,250 10 Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
A   Grand Total:   A   A   A   A   A   A   A   A   A
R. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995   CATEGORY
CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL  721-312 DORMITORY  105 PN 6,300 AUG 93 NOV 94 TOTAL: 6,300 9a. Future Projects: Included in the Following Program (FY 1996) 219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260 721-312 DORMITORY 348 PN 5,900 TOTAL: 22,760  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE 411-135 REPAIR JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
TOTAL   CMPL   TOTAL   CMPL
105 PN 6,300   AUG 93 NOV 94   TOTAL: 6,300   AUG 93 NOV 94   TOTAL: 6,300   AUG 93 NOV 94   TOTAL: 6,300   AUG 93 NOV 94   TOTAL: 6,300   AUG 93 NOV 94   AUG 95 NOV 94   AUG 95 NOV 94   AUG 96   AUG 96   AUG 97 NOV 94   AUG 97 NOV 94   AUG 97 NOV 94   AUG 97 NOV 95   AUG 97 NOV 96 NOV 96 NOV
9a. Future Projects: Included in the Following Program (FY 1996) 219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260 721-312 DORMITORY 348 PN 5,900 TOTAL: 22,760  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790 SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 REPAIR JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250 10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
9a. Future Projects: Included in the Following Program (FY 1996) 219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260 721-312 DORMITORY 348 PN 5,900 TOTAL: 22,760  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790 SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 REPAIR JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250 10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
9a. Future Projects: Included in the Following Program (FY 1996) 219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS LS 9,260 721-312 DORMITORY 348 PN 5,900 TOTAL: 22,760  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790 SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 REPAIR JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250 10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
219-944 ADD TO AND ALTER BASE ENGINEER 45,800 SF 7,600 ADMINISTRATION 411-135 UNDERGROUND FUEL STORAGE TANKS  721-312 DORMITORY  9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 411-135 IMPROVE JET FUEL STORAGE 411-135 REPAIR JET FUEL STORAGE 411-135 IMPROVE JET FUEL STORAGE 411-135 IMPROVE JET FUEL STORAGE 1S 8,250 10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
ADMINISTRATION  411-135 UNDERGROUND FUEL STORAGE TANKS  721-312 DORMITORY  348 PN 5,900  TOTAL: 22,760  9b. Future Projects: Typical Planned Next Three Years:  121-122 REPLACE HYDRANT REFUELING  SYSTEMS  218-712 ACFT SPRT EQUIP SHOP/STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 REPAIR JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  412 A 200  411-135 IMPROVE JET FUEL STORAGE  413-200  411-135
411-135 UNDERGROUND FUEL STORAGE TANKS  721-312 DORMITORY  348 PN  5,900  TOTAL:  22,760  9b. Future Projects: Typical Planned Next Three Years:  121-122 REPLACE HYDRANT REFUELING  SYSTEMS  218-712 ACFT SPRT EQUIP SHOP/STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 REPAIR JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  10. Mission or Major Functions: An airlift wing which performs  Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
721-312 DORMITORY  TOTAL:  22,760  9b. Future Projects: Typical Planned Next Three Years:  121-122 REPLACE HYDRANT REFUELING SYSTEMS  218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 REPAIR JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
9b. Future Projects: Typical Planned Next Three Years: 121-122 REPLACE HYDRANT REFUELING LS 9,790 SYSTEMS 218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 REPAIR JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250 10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
9b. Future Projects: Typical Planned Next Three Years:  121-122 REPLACE HYDRANT REFUELING SYSTEMS  218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 REPAIR JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs  Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
121-122 REPLACE HYDRANT REFUELING SYSTEMS  218-712 ACFT SPRT EQUIP SHOP/STORAGE 13,900 SF 2,450 411-135 IMPROVE JET FUEL STORAGE LS 4,200 411-135 REPAIR JET FUEL STORAGE LS 4,200 411-135 IMPROVE JET FUEL STORAGE LS 8,250  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
SYSTEMS  218-712 ACFT SPRT EQUIP SHOP/STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 REPAIR JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  10. Mission or Major Functions: An airlift wing which performs  Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
218-712 ACFT SPRT EQUIP SHOP/STORAGE  411-135 IMPROVE JET FUEL STORAGE  411-135 REPAIR JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  LS 4,200  411-135 IMPROVE JET FUEL STORAGE  LS 8,250  10. Mission or Major Functions: An airlift wing which performs  Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
411-135 IMPROVE JET FUEL STORAGE  411-135 REPAIR JET FUEL STORAGE  411-135 IMPROVE JET FUEL STORAGE  LS 4,200  LS 8,250  10. Mission or Major Functions: An airlift wing which performs  Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
411-135 REPAIR JET FUEL STORAGE  LS 4,200  411-135 IMPROVE JET FUEL STORAGE  LS 8,250  10. Mission or Major Functions: An airlift wing which performs  Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
411-135 IMPROVE JET FUEL STORAGE  10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
10. Mission or Major Functions: An airlift wing which performs Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
Presidential support & special air missions (C-9, C-12, C-20, C-21, C-137, and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
and VC-25 aircraft, & UH-1 helicopters); an AFRES airlift wing (C-141 aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
aircraft); Air National Guard (ANG) fighter wing (F-16 aircraft) and airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
airlift squadron (C-21 and C-22 aircraft); ANG Readiness Center; and a major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
major USAF medical center. Major tenants include Army, Navy, and Marine Corps flying units.
Corps flying units.
11. Outstanding poliution and safety (OSH) deficiencies:
a Air nollution:
a. Air pollution: 0 b. Water pollution: 0
c. Occupational safety and health: 0 d. Other Environmental: 9.260
d. Other Environmental: 9,260

AIR FORCE (computer generated)  3. INSTALLATION AND LOCATION 4. PROJECT TITLE  ANDREWS AIR FORCE BASE, MARYLAND DORMITORY  5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$  4.18.96 721-312 AJXF953007 6,300  9. COST ESTIMATES  ITEM U/M QUANTITY COST (\$00  DORMITORY (105 PN)  SUPPORTING FACILITIES  SITE IMPROVEMENTS  UTILITIES  LS  UTILITIES  LS  UTILITIES  LS  (COMPUTER CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (62)  TOTAL CONTRACT COST  SUPERVISION, INSPECTION AND OVERHEAD (62)  TOTAL REQUEST	1. COMPONENT	P\	1995 MILITARY C	ONSTRUCT	rion	PRO	DJECT DA	TA	2.	DATE
3. INSTALLATION AND LOCATION  ANDREWS AIR FORCE BASE, MARYLAND  5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$ 4.18.96 721-312 AJXF953007 6,300 9. COST ESTIMATES    ITEM   U/M QUANTITY COST (\$00 COST) COST (\$ 0.00 CO	ATR FORCE	• •							1	
ANDREWS AIR FORCE BASE, MARYLAND  5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$ 4.18.96 721-312 AJXF953007 6,300  9. COST ESTIMATES  ITEM U/M QUANTITY COST (\$00  DORMITORY (105 PN) SITE IMPROVEMENTS LS ( UTILITIES LS ( PAVEMENTS LS ( DEMOLITION SF 26,800 6 ( SUBTOTAL CONTRACT COST (50)  TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (62)  TOTAL REQUEST 6. PROJECT NUMBER 8. PROJECT COST(\$		ON ANI		<u> </u>			JECT TIT	LE	•	
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$ 4.18.96 721-312 AJXF953007 6,300  9. COST ESTIMATES    ITEM   U/M QUANTITY   COST   (\$00)   DORMITORY (105 PN)   SF   42,000   110   4,   SUPPORTING FACILITIES   LS   (   UTILITIES   LS   (   DEMOLITION   SF   26,800   6   (   SUBTOTAL   STOTAL CONTRACT COST   5,   SUPERVISION, INSPECTION AND OVERHEAD (62)   TOTAL REQUEST   6,										
A.18.96   721-312   AJXF953007   6,300										
9. COST ESTIMATES  ITEM U/M QUANTITY COST (\$00  DORMITORY (105 PN) SF 42,000 110 4,  SUPPORTING FACILITIES LS ( UTILITIES LS ( PAVEMENTS LS ( DEMOLITION SF 26,800 6 ( SUBTOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%)  TOTAL REQUEST 5,	5. PROGRAM EL	EMENT.	6. CATEGORY CODE	7. PRO.	JECT	וטא	MBER  8.	PROJE	CT (	COST(\$000)
9. COST ESTIMATES  ITEM U/M QUANTITY COST (\$00  DORMITORY (105 PN) SF 42,000 110 4,  SUPPORTING FACILITIES LS (  UTILITIES LS (  PAVEMENTS LS (  DEMOLITION SF 26,800 6 (  SUBTOTAL CONTRACT COST (  SUPERVISION, INSPECTION AND OVERHEAD (6%)  TOTAL REQUEST 5,										
ITEM  U/M QUANTITY COST (\$00  DORMITORY (105 PN)  SUPPORTING FACILITIES  SITE IMPROVEMENTS  UTILITIES  PAVEMENTS  DEMOLITION  SUBTOTAL  CONTINGENCY (5%)  TOTAL CONTRACT COST  SUPERVISION, INSPECTION AND OVERHEAD (6%)  TOTAL REQUEST  UNIT COS  (\$00  LS  LS  LS  (C  (SSF)  26,800  6  5,	4.18.96			<del></del>						6,300
ITEM U/M QUANTITY COST (\$00 DORMITORY (105 PN) SUPPORTING FACILITIES SITE IMPROVEMENTS UTILITIES PAVEMENTS DEMOLITION SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST  SET OF A CONTRACT (\$00  LS LS LS ( C C C C C C C C C C C C C C C C C C			9. COS	T ESTIM	ATES					
DORMITORY (105 PN) SUPPORTING FACILITIES SITE IMPROVEMENTS UTILITIES PAVEMENTS DEMOLITION SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST  SIPPORTING SF 42,000  110 4, 110 4, 110 5, 125 15 15 16,					ŀ				_	-
SUPPORTING FACILITIES  SITE IMPROVEMENTS  UTILITIES  PAVEMENTS  DEMOLITION  SUBTOTAL  CONTINGENCY (5%)  TOTAL CONTRACT COST  SUPERVISION, INSPECTION AND OVERHEAD (6%)  TOTAL REQUEST  1,  LS  LS  LS  COMMENT  SF  26,800  6  5,			ITEM							
SITE IMPROVEMENTS  UTILITIES  PAVEMENTS  DEMOLITION  SUBTOTAL  CONTINGENCY (5%)  TOTAL CONTRACT COST  SUPERVISION, INSPECTION AND OVERHEAD (6%)  TOTAL REQUEST   ( ( ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (			- 50			Sr	42,000	'	110	4,620
UTILITIES PAVEMENTS DEMOLITION SUBTOTAL CONTINGENCY (5%) FOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) FOTAL REQUEST  LS (() () () () () () () () () () () () ()						1.0				1,010
PAVEMENTS DEMOLITION SUBTOTAL CONTINGENCY (5%) FOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) FOTAL REQUEST  LS 26,800 6 (		EMENT	5							( 350 ( 250
DEMOLITION SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST  SOURCE OF THE CONTRACT COST SUPERVISION AND OVERHEAD (6%)										( 250
SUBTOTAL CONTINGENCY (5%) FOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) FOTAL REQUEST  5,							26 800	. ]	6	( 160
CONTINGENCY (5%) FOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) FOTAL REQUEST  6,			•			JF	20,000	'	· ·	5,630
TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST  6,		57)								282
SUPERVISION, INSPECTION AND OVERHEAD (6%)  TOTAL REQUEST  6,		• •	т		I					5,912
TOTAL REQUEST 6,				D (6%)						355
										6,267
			NDED)		ł					6,300
		,	<b>,</b>							-,
					1					
					1		1			

Description of Proposed Construction: Concrete foundation, masonry walls, structural steel frame and roof system. Includes room-bath-room modules, lounges, laundry rooms, storage rooms, mechanical equipment room, utilities, demolition and asbestos removal/disposal, and other necessary support.

Air Conditioning: 100 Tons. Grade Mix: 105 E5-E6.

11. REQUIREMENT: 1,625 PN ADEQUATE: 620 PN SUBSTANDARD:

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing substandard facilities do not provide semi-private baths, adequate control of heating and air conditioning, and sufficient noise attenuation to adequately house enlisted personnel. Two substandard dormitories totaling 26,864 square feet will be demolished. The current dormitory occupancy rate at Andrews is 98 percent.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new

. COMPONENT	FY 1995 MILITARY CONSTRUCT		2. DATE
IR FORCE	(computer gener ON AND LOCATION	ated)	
NDREWS AIR FO PROJECT TIT	DRCE BASE, MARYLAND	le no	21222 1222
. PROJECI III	LLE	) . PK	DJECT NUMBER
ORMITORY		AJ:	XF953007
values and ber found to be th	revitalization, leasing and s nefits of the respective alter ne most cost effective over the dered for FY98 force structure.	rnatives, new constru ne life of the projec	ction was

	TMS	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	ΓΔ	2. DATE
R FORCE	- 1	(computer generated)	ın	
		N AND LOCATION		
		RCE BASE, MARYLAND		
PROJECT	r tit	LE	5. PR	OJECT NUMBER
RMITORY			AJ	XF953007
. SUPPI	RMEN	TAL DATA:		
	J-14 - 1-14 V	and ones.		
a. Est	imate	ed Design Data:		
(1)	Sta	tus:		
•-•		Date Design Started		93 AUG 15
	(b)	Parametric Cost Estimates used to develop	costs	Y
		Percent Complete as of Jan 1994		15%
		Date 35% Designed.		94 FEB 28
	(e)	Date Design Complete		94 NOV 20
(2)	Bas	is:		
(2)		Standard or Definitive Design -		NO
		Where Design Was Most Recently Used -		N/A
		•		•
(3)		al Cost (c) = (a) + (b) or (d) + (e):		(\$000
		Production of Plans and Specifications		378
		All Other Design Costs		220
		Total Contract		598
		In-house		500 98
	(6)	In nouse		70
(4)	Con	struction Start		95 MAR
(7)				
(4)				
Equipa	uent .	associated with this project will be provide	ed fro	a
Equipa	ment copri	associated with this project will be provide ations: N/A	ed fro	<b>m</b>
Equipa	ment copri	associated with this project will be provide ations: N/A	ed fro	<b>m</b>
Equipa	nent copri	associated with this project will be provide ations: N/A	ed fro	<b>a</b>
Equipa	nent ropri	associated with this project will be provide ations: N/A	ed fro	<b>m</b>
Equipa	nent ropri	associated with this project will be provide ations: N/A	ed fro	<b>m</b>
Equipa	nent ropri	associated with this project will be provide ations: N/A	ed fro	<b>a</b>
Equipa	nent ropri	associated with this project will be provide ations: N/A	ed fro	<b>m</b>
Equipa	nent ropri	associated with this project will be provide ations: N/A	ed fro	<b>m</b>
Equipa	nent ropri	associated with this project will be provide ations: N/A	ed fro	<b>a</b>
Equipa	nent ropri	associated with this project will be provide ations: N/A	ed fro	<b>m</b>
Equipa	nent ropri	associated with this project will be provide ations: N/A	ed fro	m
Equipa	nent copri	associated with this project will be provide ations: N/A	ed fro	<b>C</b>
Equipa	nent ropri	associated with this project will be provide ations: N/A	ed fro	<b>C</b>
Equipa	nent copri	associated with this project will be provide ations: N/A	ed fro	<b>M</b>
Equipa	nent copri	associated with this project will be provide ations: N/A	ed fro	

1. COMPONENT								2.	DAT	E
	FY 1	1995 MILIT				ROGR	(AM			
AIR FORCE	ON AND YOU		puter s		MMAND			-	ADE	A CONST
3. INSTALLATI	ON AND LOC	CATION		1	DUCATI	ON				T INDEX
KEESLER AIR F	ODCE BACE	MICCICCI	דסם:	1	RAININ		MMAND		0.	
6. PERSONNEL	UNCE BASE,	PERMAN			UDENTS		SUPPO	RTED	j	<u> </u>
STRENGTH	+	OFF ENL				CIV		NL C	īv	TOTAL
a. As of 30 S	+-	1039 4060					28	62		10,344
b. End FY 199		1035 4346				77	28	62	l	14,387
<u></u>			ENTORY							
a. Total Acre	age: (	3,546)								
b. Inventory	Total As (	Of: (30 S	SEP 93)					277		
c. Authorizat									,15	
d. Authorizat	ion Reques	sted In Th	nis Pro	gram:					, 24	
e. Authorizat	ion Includ	ded In Fol	llowing	Progr	ram: (	(FY 1	1996)		,00	
f. Planned Ir	Next Thro	ee Progr <mark>a</mark> n	n Years	:				6	,00	0
g. Remaining										0
h. Grand Tota	11:							326	<u>, 21</u>	4
8. PROJECTS I	LEQUESTED :	IN THIS P	ROGRAM:	FY 1	.995					
CATEGORY							COST			STATUS
CODE	PROJE	CT TITLE		5	COPE		<u>(\$000)</u>	STA	RT	CMPL
								****		A 77 C . C.
171-621 7-LI				1			1,800			
721-315 7-LI							8,800			
	RADE FIRE	SUPPRESSIO	N		55,000	SF	640	JUL	93	SEP 9
SYS	STEM				TOTAL		11,240			
On Problems 1	Projects:	Tabludad	in the	Follo	TOTAL			1006)		
9a. Future 1721-312 ALT			in the	FOLIC		PN		1330/	'	
721-312 ALT					500		6,500			
812-224 UPG			TFM		700	LS	3,000			
012 224 010	ADE EBEOT.	KIOND DID	4 44 ·		TOTAL	-	16,000			
9b. Future	Projects:	Typical	Planned	Next						
610-281 BAS							1,700			
824-464 UPG					,	LS	4,300			
10. Mission	or Major	Functions	: Head	quart	ers Se	cond	Air For	rce; a	1	
training win	g responsi	ble for a	vionics	, com	nunica	tion	s, elect	tronic	cs,	radar
systems, com	puter and	command-a	nd-cont	rol s	ystems	, pe	rsonnel	, and		
administrati	ve courses	(C-21 ai	rcraft)	; and	a C-1	2 fl	ying tra	aining	g ur	nit;
an Air Force										
Combat Comma				ntrol	squad	ron	(EC-130	aircı	aft	:);
and a major	Air Force	medical c	enter.							
11. Outstan	ding pollu	tion and	safety	(OSH)	defic	ienc	ies:			
	pollution								(	
	er polluti									)
	upational		d healt	h:						)
d. Oth	er Environ	mental:							(	)

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE 7-LEVEL TRAINING CLASSROOMS KEESLER AIR FORCE BASE, MISSISSIPPI 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 171-621 MAHG953021 1,800 8.57.96 9. COST ESTIMATES COST UNIT U/M QUANTITY (\$000) COST ITEM 7-LEVEL TRAINING CLASSROOMS 11,400 115 1,311 320 SUPPORTING FACILITIES LS 120) UTILITIES 90) LS SITE IMPROVEMENTS LS 60) **PAVEMENTS** LS 50) COMMUNICATIONS SUPPORT SUBTOTAL 1,631 CONTINGENCY (5%) 82 1,713 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6.5%) 111 TOTAL REQUEST 1.824 1,800 TOTAL REQUEST (ROUNDED)

10. Description of Proposed Construction: Concrete foundation, masonry structure with storm resistant roof system providing classroom space, instructor space, and other supporting space.

Air Conditioning: 20 Tons.

REQUIREMENT: 1,362,563 SF ADEQUATE: 1,351,163 SF SUBSTANDARD: PROJECT: Construct 7-level training classrooms. (New Mission) REQUIREMENT: Provide facilities to implement formal advance training (7-Level Training) for E-5s and E-6s in preparation for advancement to E-7. This requirement is an initiative resulting from CSAF's Year of Training objective to improve the quality of education for Air Force personnel by standardizing a coherent set of training concepts and procedures. This project will provide classrooms, instructor space, and other supporting areas to conduct formal 7-level training for 24 different courses. This 7-level training will increase Keesler AFB's average daily student load (ADSL) by 445 students; increase the number of students per year by over 4000; and require an additional 66 instructors. **CURRENT SITUATION:** Formal training in preparation for E-7 level positions and responsibilities is not available for all E-5 and E-6 personnel in all career fields. Although some personnel have opportunities for adequate training, many receive on-the-job training, and individual coursework which is not consistent or coordinated across the Air Force. The CSAF's Year of Training initiative is aimed at correcting this problem and making quality training available for all E-5 and E-6 personnel in all career fields. This training initiative will formalize the training and help transition personnel from apprentice level to journeyman level responsibilities. Currently there are no existing facilities available at the installation to provide adequate classroom space for the 7-level

1.	COMPONENT			2. DATE
ľ		FY	1995 MILITARY CONSTRUCTION PROJECT DATA	
AII	R FORCE		(computer generated)	
3.	INSTALLATION	AND	LOCATION	

KEESLER AIR FORCE BASE, MISSISSIPPI

4. PROJECT TITLE

5. PROJECT NUMBER

7-LEVEL TRAINING CLASSROOMS

MAHG953021

training courses. Keesler is gaining a 1,042 ADSL from the missions relocated by the closure of Lowry AFB, Chanute AFB, and over 100 ADSL from requirements driven by other Year of Training initiatives. As a result, all excess space at the installation has been comsumed and there is no space available to implement the 7-level training requirement.

IMPACT IF NOT PROVIDED: The 7-level training program will not be able to be implemented at Keesler AFB. This will prevent the Air Force from further consolidating education functions at the base or achieving program objectives. These important improvements in the quality of training for E-5 and E-6 Air Force personnel will be impossible.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.

(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house	. COMPONENT			2. DATE
3. INSTALLATION AND LOCATION  KEESLER AIR FORCE BASE, MISSISSIPPI 4. PROJECT TITLE 5. PROJECT NUMBER 1. PROJECT NUMBER 2			ATA	
CEESLER AIR FORCE BASE, MISSISSIPPI  4. PROJECT TITLE  7-LEVEL TRAINING CLASSROOMS  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 Indicated The Provided Start  94 Indicated The Provided Start  95 PROJECT NUMINAL START			_ <del></del> -	
A. PROJECT TITLE  7-LEVEL TRAINING CLASSROOMS  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 1	). INSTALLATIC	AND LOCATION		
A. PROJECT TITLE  7-LEVEL TRAINING CLASSROOMS  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 1	CEESLER AIR FO	DRCE BASE, MISSISSIPPI		
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 1	. PROJECT TIT	LE	5. PR	OJECT NUMBER
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 1				
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 1	-LEVEL TRAIN	ING CLASSROOMS	MA	HG953U21
(1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 1	2. SUPPLEMEN	ITAL DATA:		
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  93 JUL  93 JUL  94 JUL  94 JUL  95 JUL  96 JUL  97 JUL  98 JUL  98 JUL  99 JUL  90 JUL  90 JUL  91 JUL  92 JUL  93 DEC  94 AUG  NO  N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house	a. Estimate	ed Design Data:		
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. 93 DEC (e) Date Design Complete 94 AUG  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start 94 1				
(c) Percent Complete as of Jan 1994 (d) Date 35% Designed. 93 DEC (e) Date Design Complete 94 AUG  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start 94 I				93 JUL 29
(d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 1			costs	Y
(e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 F				35%
(2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start 94 1		_		94 AUG 19
(a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 1	(6)	Date Design Compilete		)4 3LOU 17
(b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start 94 1	(2) Bas	sis:		
<pre>(3) Total Cost (c) = (a) + (b) or (d) + (e):     (a) Production of Plans and Specifications     (b) All Other Design Costs     (c) Total     (d) Contract     (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from</pre>				
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 1	(ь)	Where Design Was Most Recently Used -		N/A
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  94 ]	(3) To	cal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(c) Total (d) Contract (e) In-house  (4) Construction Start  94 1	(a)	Production of Plans and Specifications		105
(d) Contract (e) In-house  (4) Construction Start  94 1  Equipment associated with this project will be provided from				70
(e) In-house  (4) Construction Start  94 1  Equipment associated with this project will be provided from				175
(4) Construction Start 94 ]  . Equipment associated with this project will be provided from				125
. Equipment associated with this project will be provided from	(e)	In-house		50
. Equipment associated with this project will be provided from	(4) Cor	nstruction Start		94 DEC
				J. 525
	. Equipment	associated with this project will be provide	led from	_
			ied IIO	
		• • • • • • • • • • • • • • • • • • • •		

1. COMPONENT								] :	2 .	DATE
	F	1995 MILITARY CO	ONSTRUC	CION	PRO	JECT	DATA	\ [		
AIR FORCE		(compute	er gener	rate	ed)					
3. INSTALLATI	ON ANI	LOCATION		4.	PRO.	JECT 1	<b>TITLE</b>	3		
		•		1						
KEESLER AIR F	ORCE I	BASE, MISSISSIPPI						DORM		
5. PROGRAM EI	EMENT	6. CATEGORY CODE	7. PRO	JECI	וטא י	<b>IBER</b>	8. P	ROJEC.	T C	OST(\$000)
				2051						0.000
8.57.96		721-315	MAH			<u> </u>	L	*****	-	8,800
		y. cus	r estim	AIES	<u> </u>	1	i	UNIT		COST
		ITEM			11 🕰	QUAN'	עדיזין		- 1	(\$000)
7-I PURI TRATA	ITNC N	ORMITORY (445 PN)			SF	89,0	_	ĺ	75	6,675
SUPPORTING FA						0,,			٠ - ا	1,205
UTILITIES					LS	İ				( 250
	ONS SI	UPPORT/EMCS			LS					( 560)
SITE IMPROV		•			LS	1				( 150)
<b>PAVEMENTS</b>					LS					( <u>245</u> )
SUBTOTAL					1					7,880
CONTINGENCY	(5%)					ł				<u>394</u>
TOTAL CONTRAC		<del>-</del>	_		1	<b>\</b>				8,274
		CTION AND OVERHEAD	D (6.5%	)						538
TOTAL REQUEST		· \								8,812
TOTAL REQUES:	r (ROU	NDED)								8,800
					l	ļ				
						•				
					]	1				

10. Description of Proposed Construction: Concrete foundations, floor slabs, structural system, concrete or masonry wall system, and roof. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities.

Air Conditioning: 112 Tons. Grade Mix: 445 E5-E6.

11. REQUIREMENT: 4,396 PN ADEQUATE: 3,806 PN SUBSTANDARD: 0
PROJECT: Construct a 7-level training dormitory. (New Mission)
REQUIREMENT: Provide facilities to implement formal advanced training
(7-Level Training) to E-5 and E-6 personnel in preparation for advancement to E-7. The 7-Level training program is one initiative resulting from
CSAF's Year of Training initiative. The objective is to improve the quality of education for Air Force personnel by standardizing a coherent set of training concepts and procedures. This project will provide dormitory space to house the additional 445 student increase in the average daily student load (ADSL) resulting from this 7-Level Training initiative.

CURRENT SITUATION: Formal training in preparation for E-7 level positions and responsibility is not currently available for all E-5 and E-6 personnel in all career fields. Although some personnel have opportunities for adequate training, many receive on-the-job training, and individual coursework which is not consistent or coordinated across the Air Force. The CSAF's Year of Training initiative is aimed at correcting this problem and making quality training available for all E-5 and E-6 personnel in all career fields. This training initiative will formalize the training and help transition personnel from apprentice level to journeyman level responsibilities. Existing facilities are not available at Keesler AFB to provide adequate dormitory space for students attending

	1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DAT  AIR FORCE (computer generated)	A	2. DA	TE
	3. INSTALLATION AND LOCATION  KEESLER AIR FORCE BASE, MISSISSIPPI			
٠		5. PRO	JECT	NUMBER

7-level training. Keesler is gaining a 1,042 ADSL from missions relocated by the closure of Lowry AFB, Chanute AFB, and over 100 ADSL from other Year of Training initiatives. As a result, all excess dormitory space on the installation has been consumed and there is no space available to support this 7-level training requirement.

IMPACT IF NOT PROVIDED: The 7-Level training program will not be able to be implemented at Keesler AFB. This will prevent the Air Force from further consolidating education functions at the base, or achieving program objectives. Making improvements in the quality of education for E-5 and E-6 personnel will be impossible.

ADDITIONAL: This project meets the criteria specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, leasing, new construction) was done. It indicates new construction is the only option that will meet the requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.

MAHG953020A

7-LEVEL TRAINING DORMITORY

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT (computer generated)	DATA	2. DATE
	ON AND LOCATION		
	ORCE BASE, MISSISSIPPI		
. PROJECT TI	TLE	5. PR	DJECT NUMBER
7-LEVEL TRAIN	INC DODUITORY	MA	UCOE 2020A
-LEVEL IRAIN	ING DORMITORY	, na	HG953020A
2. SUPPLEMEN	NTAL DATA:		
a. Estimate	ed Design Data:		
(1) Sta	atus:		
(a)	Date Design Started		93 APR 01
	Parametric Cost Estimates used to devel	op costs	Y
	Percent Complete as of Jan 1994		35%
	Date 35% Designed.		93 NOV 17
(e)	Date Design Complete		94 APR 30
(2) Bas			
(a)	Standard or Definitive Design -		YES
(P)	Where Design Was Most Recently Used -		KEESLER
(3) Tot	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a)	Production of Plans and Specifications		357
(b)	All Other Design Costs		119
	Total		476
	Contract		357
(e)	In-house		119
(4) Cor	nstruction Start		94 DEC
. Equipment	associated with this project will be pro	vided fro	'n
	iations: N/A		•

1. COMPONENT	2. DATE								
FY 1995 MILITARY CONSTRUCTION PROGRAM									
AIR FORCE (computer generated)  3. INSTALLATION AND LOCATION   4. COMMAND	5. AREA CONST								
3. INSTALLATION AND LOCATION 4. COMPAND	COST INDEX								
WHITEMAN AIR FORCE BASE, MISSOURI AIR COMBAT COMMAND	1.05								
6. PERSONNEL PERMANENT STUDENTS SUPPO									
	NL CIV TOTAL								
a. As of 30 SEP 93 481 2911 395	3,787								
b. End FY 1999 322 2585 422 3	10 73 3,415								
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 4,958)									
b. Inventory Total As Of: (30 SEP 93)	478,307								
c. Authorization Not Yet In Inventory:	94,300								
d. Authorization Requested In This Program:	24,290								
e. Authorization Included In Following Program: (FY 1996)	27,900								
f. Planned In Next Three Program Years:	13,150								
g. Remaining Deficiency:	0								
h. Grand Total:	637,947								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995	DECTON COLORIS								
CATEGORY COST CODE PROJECT TITLE SCOPE (\$000)	DESIGN STATUS								
CODE PROJECT TITLE SCOPE (\$000)	START CMPL								
113-321 B-2 ADD TO AND ALTER AIRCRAFT 50,800 SY 4,600 APRON, TAXIWAY & CONVOY ROADS	JUN 93 JUL 94								
211-173 B-2 AIRCRAFT MAINTENANCE 52,500 SF 15,000	MAY 93 JUL 94								
DOCKS/HYDRANT FUELING SYSTEM									
871-183 UPGRADE STORM DRAINAGE LS 1,290	AUG 93 AUG 94								
FACILITIES									
	MAY 93 JUL 94								
HANGAR FIRE PROTECTION SYSTEMS									
TOTAL: 24,290	100()								
9a. Future Projects: Included in the Following Program (FY 113-321 B-2 AIRCRAFT APRON/CONVOY ROAD LS 1,500	1330)								
/PAVEMENTS									
171-212 B-2 FLIGHT SIMULATION TRAINING 15,000 SF 4,500									
211-173 B-2 AIRCRAFT MAINTENANCE DOCKS 52,500 SF 15,700 /HYDRANT FUEL/CASS									
800-000 B-2 ADAL UTILITIES SYSTEM LS 2,600									
880-232 B-2 ADAL DOCK/HGR FIRE PROTECT 2 EA 3,600									
PH II & AFFF PUMPS/RESERVOIR									
TOTAL: 27,900									
9b. Future Projects: Typical Planned Next Three Years:									
442-758 WAREHOUSE 107,000 SF 9,900									
740-443 TRANSIENT LODGING FACILITY 8 UN 750									
740-674 PHYSICAL FITNESS CENTER 14,500 SF 2,500									
10. Mission or Major Functions: An AFSPACECOM missile wing	consisting of								
two Minuteman intercontinental ballistic missile squadrons an	d HH-1								
helicopters and an Air Combat Command bomb wing (T-38 aircraf	t) which will								
receive the B-2 bomber.  11. Outstanding pollution and safety (OSH) deficiencies:									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:	2 250								
b. Water pollution:	2,250 9,020								
c. Occupational safety and health:	9,020								
d. Other Environmental:	1,500								
<del></del>	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								

1. COMPONENT							2.	DATE
FY	7 1995 MILITARY CO	ONS TRUCT	CION PRO	<b>JECT</b>	DATA	\		
AIR FORCE	(compute	er gener	rated)					
3. INSTALLATION AND	LOCATION		4. PRO.	JECT :	TITLE	3		
	•		B-2 AD	O TO	AND A	ALTER .	AIR	CRAFT
WHITEMAN AIR FORCE BASE, MISSOURI APRON, TAXIWAY & CONVOY ROADS								
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PRO	JECT NUI	<b>IBER</b>	8. E	PROJEC	T C	OST(\$000)
1.11.27	113-321		<u> 3959206</u>		<u> </u>			4,600
	9. COS	ESTIM/	ATES					
						UNIT	- 1	COST
	ITEM		U/M	QUAN'	<u> TITY</u>	COST	_	(\$000)
B-2 ADD TO AND ALTI		,	]					
TAXIWAY & CONVOY RO	DADS		SY	50,800				3,089
APRONS			SY		500		67	
AIRFIELD PAVEMENT	rs-taxiways		SY		B00		67	
PAVED SHOULDER			SY		500		23	
ROADS			SY	3,1	000		57	( 171)
SUPPORTING FACILITY	IES							1,030
UTILITIES			LS					( 205)
DEMOLISH PAVEMENT			LS	ļ				( 480)
SITE IMPROVEMENTS	\$		LS					( <u>345</u> )
SUBTOTAL								4,119
CONTINGENCY (5%)	_							206
TOTAL CONTRACT COST		. ((#)						4,325
SUPERVISION, INSPEC	CTION AND OVERHEAD	D (6%)						260
TOTAL REQUEST								4,585
TOTAL REQUEST (ROU	NDED)							4,600
			1					

10. Description of Proposed Construction: Level and grade site; install drainage tile and pipe, and tie into drainage system; construct rigid pavement aprons and taxiway, taxiway lighting, and munitions convoy route rated for heavy loading; and construct flexible pavement taxiway shoulders.

11. REQUIREMENT: As required.

PROJECT: Add to and alter B-2 aircraft parking apron, taxiway and convoy roads. (New Mission)

<u>REQUIREMENT</u>: Adequate pavements are required to support all B-2 ground operations. A taxiway and access apron must be provided to allow access to and from maintenance docks. Convoy roads are also required to support movement of weapons from the weapons storage area to the aircraft parked in the docks.

<u>CURRENT SITUATION</u>: No access apron, taxiway, or munitions convoy roads exist to provide access to new aircraft maintenance docks.

IMPACT IF NOT PROVIDED: Aircraft and munitions load trailers will not have access to the maintenance docks to allow for mission preparation and weapons loading.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements; therefore, a full economic analysis was not require or performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

AIR FORCE 3. INSTALLATIO	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	· A
	(computer concreted)	A
	(computer generated)	
HITEMAN AIR I . PROJECT TI:	FORCE BASE, MISSOURI	5. PROJECT NUMBER
	ALTER AIRCRAFT APRON, TAXIWAY & CONVOY	
OADS		YWHG959206
2. SUPPLEMEI	NTAL DATA:	
a. Estimate	ed Design Data:	
(1) Sta	itus:	
(a)	Date Design Started	93 JUN 15
	Parametric Cost Estimates used to develop c	osts Y
	Percent Complete as of Oct 1993	15%
(a)	Date 35% Designed.	94 JAN 15
(e)	Date Design Complete	94 JUL 15
(2) Bas	eie.	
	Standard or Definitive Design -	NO
	Where Design Was Most Recently Used -	N/A
(3) To:	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	Production of Plans and Specifications	10
	All Other Design Costs	101
	Total	111
	Contract	111
	In-house	111
(4) Coi	nstruction Start	94 DEC
	associated with this project will be provide ations: N/A	d from

1. COMPONENT				•					I	2.	DATE
	F	Y 1995 MILITARY	CONST	RUCT	CION	PRO	JECT	DATA	.		
AIR FORCE		(compu									
3. INSTALLATI	ON ANI	LOCATION		Ī	4. ]	PRO.	JECT 1	TITLE			
					B-2	AII	RCRAFT	IAM 1	NTENA	NCE	
		BASE, MISSOURI							JELING	SY	STEM
5. PROGRAM EL	LEMENT	6. CATEGORY COD	E 7.	PROJ	IECT	NU	1BER	8. P	ROJEC	CTC	OST(\$000
1.11.27	<del></del>	211-173		YWHC		<u> 282</u>				1	5,000
		9. CO	ST ES	TIMA	TES			<u></u>			
					- 1.				UNIT		COST
		ITEM				U/M	QUAN'	TITY	COST		(\$000)
		ENANCE DOCKS/HYD	RANT		1.		. ۔ .				7 075
FUELING SYSTE					- [3	SF	52,	ן טטי	1	50	7,875
SUPPORTING FA	ACILIT.	IES			- 1.						5,700
UTILITIES	****	_				LS					( 455
SITE IMPROV	VEMENT	S			- 1	LS	İ			l	( 420
PAVEMENTS	<i></i>	•			1.	LS	1				( 420
HYDRANT FUI	•	5				LS LS					(3,985 (420
BLAST DEFLI	EC TOKS				į.	F2					
SUBTOTAL CONTINGENCY (	/ E <b>~</b> \				ł		ł	1			13,575 679
TOTAL CONTRAC	• •	T								l	$\frac{679}{14,254}$
		TON AND OVERHE	AD (6	<b>7</b> )						ŀ	14,234 855
TOTAL REQUEST		CIION MAD OVERUE	WD (0	~/						i	15,
TOTAL REQUEST		NDFD)					1				15,000
TOTAL REQUES	. (200)	NOUD,			i						13,000

10. Description of Proposed Construction: Heated steel frame structures with powered hangar doors and prewired conduit for phone, data and security systems. Ground points in floor, oil/water separator, blast deflectors and Consolidated Aircraft Support System (CASS) (pantograph system, outlets and air conditioning). Fire suppression system including inverted deluge system (IDS) underwing fire suppression.

Air Conditioning: 340 Tons.

11. REQUIREMENT: 18 EA ADEQUATE: 12 EA SUBSTANDARD: 0
PROJECT: Construct B-2 aircraft maintenance docks and bydrant f

<u>PROJECT</u>: Construct B-2 aircraft maintenance docks and hydrant fueling system. (New Mission)

REQUIREMENT: All B-2 aircraft assigned to the base must have an enclosed space to permit aircraft maintenance under all environmental conditions. Total number of covered spaces will include 14 maintenance docks, a fuel cell dock, corrosion control dock, and a heavy maintenance hangar. This project provides maintenance docks 9 and 10. B-2 docks are constructed in pairs due to the shared hydrant fuel/CASS area. The docks provide a minimally heated environment for maintenance crews to work on structural, propulsion and electronic components. The rear of the dock and large vehicle doors must be constructed to withstand the jet blast of aircraft for taxi-out capability. Rear doors are sized for access by munitions loading trailers. The dock must be appropriately secured to detect unauthorized access. Construction of covered spaces is phased to accommodate aircraft delivery and to take advantage of economies of scale. Refueling and CASS provisions are required in each maintenance space. **CURRENT SITUATION:** Three maintenance spaces (fuel cell, corrosion control and one dock) were provided in the FY 88 MILCON and three in the FY 89 MILCON (alter existing hangar = 2 spaces; and 1 dock). Two maintenance

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

WHITEMAN AIR FORCE BASE, MISSOURI

4. PROJECT TITLE

5. PROJECT NUMBER

B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM

YWHG939282

dock spaces are in FY 91, two in FY 93, and two in FY 94. This project provides two docks, two docks are programmed in FY 96, and two remaining docks will be programmed in the outyears to coincide with delivery of test aircraft to operational status. No other facilities are available to provide covered maintenance space to support the aircraft delivery schedule.

IMPACT IF NOT PROVIDED: Because of the aircraft's low observable features, structural and propulsion maintenance tasks will have to be performed frequently. Complete coverage of the aircraft while on the ground will increase combat capability by reducing maintenance task times, repaint downtime, and fleet generation time. Failure to provide the necessary covered maintenance space will reduce aircraft availability and mission effectiveness, while increasing maintenance and turn-around time for the aircraft.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide," nor in Air Force Manual 86-2, "Standard Facility Requirements."

	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE		
	LATION AND LOCATION	<del></del>
HITEMAN .	AIR FORCE BASE, MISSOURI	
. PROJEC		JECT NUMBER
_2 ATDCD	AFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM YW	IG939282
-Z AIRCR	AFT MAINTENANCE DOCKS/HIDRANT FUELING SISTEM IN	10737202
2. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
, .	(a) Date Design Started	93 MAY 03
	(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994	607
	(d) Date 35% Designed.	93 SEP 17
	(e) Date Design Complete	94 JUL 01
(2)	Basis:	
(-/	(a) Standard or Definitive Design -	YES
	(b) Where Design Was Most Recently Used -	WHI TEMAN
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	666
	(b) All Other Design Costs	
	(c) Total	666
	(d) Contract	
	(e) In-house	666
	Construction Start	95 JA
(4)		
. Equip	ment associated with this project will be provided from	n
. Equip	ment associated with this project will be provided from ropriations: N/A	n.
. Equip		n
. Equip		n
. Equip		n
. Equip		n
. Equip		n
. Equip		n
. Equip		n
. Equip		n
. Equip		n
. Equip		

1									<u> </u>	DATE
1. COMPONENT	D)	Y 1995 MILITARY C	ראפידפוורי	rt () N	ו ספר	ነ ነ ያሮፕ	DATA		۷.	DATE
AIR FORCE	F	compute (compute				JJECI	DUID	`		
3. INSTALLATI	ON ANI		er Kener			JECT :	CITLE			
J. 1				UPC	RADI	E STO	UM DR	AINAC	E	
WHITEMAN AIR	FORCE	BASE, MISSOURI		FAC	ILI	TIES				
5. PROGRAM EI	5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT								T	COST(\$000)
						:				
2.74.56C		871-183	YWH	_						1.290
		9. COS	r estim	<u> TES</u>		<del></del>	1			
				1	11 04	O.7.4.17		UNIT		COST
IMARADE AMORI	DRATI	ITEM NAGE FACILITIES			U/M LS	QUAN"	TITY	COST		(\$000) 564
SUPPORTING FA					F2	Ì				595
CORRECT CRO					LS	ļ				(_595)
SUBTOTAL	<b>,00</b>	MIDOIIONO								1,159
CONTINGENCY	(5%)					}				58
TOTAL CONTRAC	T COS	T		l						1,217
SUPERVISION,	INSPE	CTION AND OVERHEA	D (6%)			i				73
TOTAL REQUEST										1,290
TOTAL REQUEST	(ROU	NDED)				ł				1,290
1										
										}

10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of sanitary and storm sewer cross-connections and rerouting of non-storm water discharges to the sanitary sewer system. Connect oil/water separators, and provide necessary support.

REQUIREMENT: As required.

PROJECT: Upgrade storm drainage facilities. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement.

This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit was issued on 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are required to eliminate sources of pollutants to the storm drain.

CURRENT SITUATION: The base does not provide storm water runoff control measures from the industrial areas of the base. There are existing cross-connections which are not allowed by the storm water NPDES permit. Some non-storm water discharges (process and sanitary wastewater) are connected to or seep into the storm drainage system which is not allowed by the NPDES permit.

IMPACT IF NOT PROVIDED: Whiteman AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual

. COMPONENT	FY 1995 MILITARY CONSTRUCTI		. DATE
IR FORCE	(computer genera		······
. INSTALLATIO	N AND LOCATION		
THITEMAN AIR FO	ORCE BASE, MISSOURI		
. PROJECT TIT	LE	5. PROJ	ECT NUMBER
man Abr amony	DDATMACE DAGILIMING	January 1	070500
PGRADE STURM	DRAINAGE FACILITIES	IWHG	972500
6-2, "Standar	d Facility Requirements".		
,,,,,,,			

. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
TR BORGE		
IR FORCE	(computer generated)  N AND LOCATION	
3. INSTALLATIO	N AND LOCATION	
	ORCE BASE, MISSOURI	
. PROJECT TIT	TLE S.	PROJECT NUMBER
JPGRADE STORM	DRAINAGE FACILITIES	YWHG972500
2. SUPPLEMEN	TAL DATA:	
a. Estimate	ed Design Data:	
(1) Sta	itus:	
	Date Design Started	93 AUG 30
	Parametric Cost Estimates used to develop cos	
	Percent Complete as of Jan 1994	35%
(9)	Date 35% Designed.	93 DEC 15
(e)	Date Design Complete	94 AUG 30
(2) Bas	is:	
(a)	Standard or Definitive Design -	NO
	Where Design Was Most Recently Used -	N/A
	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a)	Production of Plans and Specifications	60
(ъ)	All Other Design Costs	63
	Total	123
	Contract	
(e)	In-house	123
(4) Cor	astruction Start	95 JAN
	associated with this project will be provided ations: N/A	from

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION SYSTEMS WHITEMAN AIR FORCE BASE, MISSOURI 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 880-000 YWHG959203 3,400 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM B-2 ADD TO AND ALTER DOCK AND HANGAR 144,000 17 FIRE PROTECTION SYSTEMS SF 2,448 SUPPORTING FACILITIES 475 LS 475) UTILITIES SUBTOTAL 2,923 CONTINGENCY (10%) 292 TOTAL CONTRACT COST 3,215 SUPERVISION, INSPECTION AND OVERHEAD (6%) 193 3,408 TOTAL REQUEST TOTAL REQUEST (ROUNDED) 3,400

10. Description of Proposed Construction: Retrofit two existing B-2 maintenance docks for advanced technology fire protection by installing the Inverted Deluge System (IDS). Includes utilities, telemetry, fire department tie-ins and necessary support.

REQUIREMENT: As required.

PROJECT: Add to and alter B-2 dock and hangar fire protection systems with installation of IDS advance technology fire suppression in two of the eight existing docks. (New Mission)

REQUIREMENT: National Fire Protection Association (NFPA) and implementing Air Force Manual (Standard 409) require aircraft maintenance areas be provided with a pre-action closed-head Aqueous Film Forming Foam (AFFF) sprinkler system which must include rate compensation devices. A supplemental under-wing AFFF application system is also required whenever individual wing and fuselage areas exceed 2500 square feet (e.g. B-2 aircraft). Fire suppression systems must be designed to "capture" water runoff to preclude contamination of wastewater systems and possible environmental damage. A fire must be detected and extinguished within 17-20 seconds to prevent damage or delamination of the composite materials used on the exterior surfaces of the B-2 bomber. This project installs the IDS in two of the eight existing docks. Another project in a future year installs the IDS in two more docks, and a final project completes the remaining four docks.

CURRENT SITUATION: The development of advance technology (stealth) composite materials for the exterior surfaces of the B-2 has introduced a shorter time factor for detection and suppression of a fire before damage occurs. Fire protection/suppression technology has been developed and tested to react to this new requirement and must be retrofitted into eight

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION (computer generate	· · · · · · · · · · · · · · · · · · ·
3. INSTALLATION	AND LOCATION  RCE BASE, MISSOURI	
4. PROJECT TITL		5. PROJECT NUMBER

existing B-2 maintenance docks. All future maintenance docks will include the IDS during construction.

B-2 ADD TO AND ALTER DOCK AND HANGAR FIRE PROTECTION

SYSTEMS

IMPACT IF NOT PROVIDED: Without a fire protection/suppression system that will react within 20 seconds, any fire will likely result in extensive damage to the unique surfaces of the B-2 aircraft or total loss of the asset. Failure to fund this project to allow completion prior to the scheduled arrival of the first seven aircraft by the end of 1995 will leave these critical assets without effective protection. A single, minor fire incident could easily result in damages which far exceed the cost of this entire project.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies mission requirements; therefore, a full economic analysis was not required or performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

YWHG959203

HITEM	AN A	IR FORCE	E BASE, MISSOURI	
	D TC	TITLE AND ALT	TER DOCK AND HANGAR FIRE PROTECTION	5. PROJECT NUMBE YWHG959203
2. S	UPPI	EMENTAL	DATA:	
<b>a</b> .	<b>Es</b> ti	mated De	esign Data:	
	(1)	Status		
			te Design Started	93 MAY 0
			rametric Cost Estimates used to develo	
			rcent Complete as of Jan 1994	35 03 OCT 0
			te 35% Designed. te Design Complete	93 OCT 0 94 JUL 0
		(e) Dat	re pesign combiece	94 JUL U
	(2)	Basis:		
	,		andard or Definitive Design -	NO
			ere Design Was Most Recently Used -	N/A
	(3)	Total (	Cost (c) = (a) + (b) or (d) + (e):	(\$00
			oduction of Plans and Specifications	11
			l Other Design Costs	13
		(c) Tot		25
		(d) Cor		
		(e) In-	-house	25
	(4)	Constru	uction Start	94 DE
. Eq			ociated with this project will be provons: N/A	vided from
. Eq				vided from
. Eq				vided from
. Eq				vided from
. Eq				vided from
. Eq				vided from
. Eq				vided from
. Eq				vided from
. Eq				vided from
. Eq				vided from
. Eq				vided from
. Eq				vided from

1. COMPONEN	rl								2.	DAT	E	
	FY	1995					PROG	RAM				
AIR FORCE				uter s								
3. INSTALLA	TION AND LO	OCATIO	N		1	MMAND			5 .		A COL	
			<b></b>		1	OBILI:	ΓY				T IN	)EX
MALMSTROM A					COMMA				20222		16	
6. PERSONNE	-		ERMANE			UDENT	-		PORTE			
STRENGTH	-		ENL 3766	479		ENL	CIV		ENL			
a. As of 30			3722					$\begin{vmatrix} 1\\1 \end{vmatrix}$	8 8	1		395 323
b. End FY 1	999			NTORY		(6000	<del></del>	<del>                                     </del>		- +1	4,0	<u> </u>
a. Total Ac				MIUNI	DAIN	(3000		<del> </del>		-		
b. Inventor				(50 az)					3/	3,98	e e	
c. Authoriz									٠,	1,10		
d. Authoriz					aram.					7,20		
e. Authoriz						am ·	(FV	1996)		3,15		
f. Planned						. au.		1,,,,,		29,40		
g. Remainin			06: am	10015	•				•	•	O O	
h. Grand To		~, .							30	94,83	•	
8. PROJECTS		IN TH	IS PRO	GRAM:	FY 1	995				,	<del></del>	_
CATEGORY								COST	DE!	SIGN	STATI	US
CODE	PROJ	ECT TI	TLE		9	COPE		(\$000	-	CART	CMI	_
<del></del>					_							_
411-135 UN	DERGROUND 1	FUEL S'	TORAGE	TANKS	S	14	EA	3,20	O API	2 93	APR	94
411-135 UN							EA	4,00		₹ 93		
M	INUTEMAN I	II FAC	ILITIE	ES								
						TOTAL		7,20				
9a. Future				n the	Follo	owing	Prog	ram (F	Y 1996	5)		
141-782 AI							LS	2,30	0			
212-216 AD			ISSILE	5	1	10,400	SF	2,15	0			
	AINTENANCE	-										
610-249 MI		AT OPE	RATION	is	4	49,000	SF	8,70	0			
C	ENTER								_			
Ob But	D		1 51		37	TOTAL		13,15	0			
	Projects:								^			
130-142 AD	ESCUE STAT		TKE/CH	MSH	J	13,400	5F	2,10	U			
141-911 AD			TOOTIF		-	14 (00	<b>a</b> n	0 (0	^			
	PERATIONS					74,600	5F	8,60	U			
141-911 AD				•		70 000	O E	0.00	^			
	PERATIONS				4	0,900	5F	9,20	U			
214-426 VE				· •••		7 000	e to	/. 20	0			
610-915 AF					4	. 7 , 000	LS	4,20				
10. Mission					i	Fuelis		1,10		VC-1	25	
squadrons;	and AFSPACI	ECOM m	iceile	an a. wine	CODE;	etine	Vt P MT:	ton- M	u LWO inuto:	70-T		
intercontin	ental hall	istic :	miecil	e cum	drone outs	sour	Of .	which	mairt	uall siss		
continuous	alert post	ure. A	nd 11H-	l heli	i conte	ore	O1	with CII		21112	đ	
11. Outsta							ienc	ies:				
- 3-2-3-				,	/			_ ~ ~ .				
a. Ai	r pollution	n:								0	)	
	ter pollut:									Ö		
	cupational		y and	health	n:					Ö		
	ner Environ				•					O		
											•	

1. COMPONENT	<u> </u>					2.	DATE
	FY 1995 MILITARY C	ONSTRUCTION	N PRO	DJECT D	ATA	.   -	
AIR FORCE		er generate	_				
3. INSTALLATION A				JECT TI	TLE		
MALMSTROM AIR FOR	CE BASE, MONTANA	UNI	DERGI	ROUND F	UEL	STORAG	E TANKS
	T 6. CATEGORY CODE	7. PROJEC	וטא ז	MBER 8	3. P	ROJECT	COST(\$000)
4.18.56	411-135	NZAS93					3,200
	9. COS	T ESTIMATE	<u> </u>				
				ĺ	ł	UNIT	COST
	ITEM			QUANTI		COST	(\$000)
UNDERGROUND FUEL	STORAGE TANKS		EA	_	.4		560
TANK REMOVAL/DI			EA	1	.4	40,000	
SUPPORTING FACILI					1		2,190
UTILITIES RELOC			LS		ŀ		( 210)
SITE IMPROVEMEN			LS		l		( 355)
PAVEMENT REPLAC			LS		ł		( 125)
SOIL REMEDIATION	<del>-</del> •		LS	}	l		( 510)
SOIL/WATER LAB			LS	Ì			( 165)
LINE REMEDIATION	•		LS		ļ		( 800)
DEMOLITION PUMP	HOUSE		LS				( 25)
SUBTOTAL				}			2,750
CONTINGENCY (10%) TOTAL CONTRACT CO					- 1		275
	ECTION AND OVERHEA	D (67)					3,025
TOTAL REQUEST	ECITOR AND OVERNER	U (0%)					$\frac{182}{3,207}$
TOTAL REQUEST (RO	(משמעונו						3,207
TOTAL REQUEST (RU	UNDED/				- 1		3,200

10. Description of Proposed Construction: Remove 14 underground storage tanks, pavement, relocate utility systems and communications cables, contaminated soil removal, sludge disposal, laboratory sample analysis, and necessary support. Demolition of two pumphouses.

REQUIREMENT: As required.

PROJECT: Remove underground fuel storage tanks. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. This project will demolish two pumphouses and remove 14 underground storage tanks and is required to comply with Title 16, Chapter 45, Montana Underground Storage Tank Rules for Tank Management and Operations which states that inactive or abandoned underground storage tanks must be removed from the ground or filled with an inert material within twelve months from the date taken out of service. Although federal and state regulations allow closure of abandoned tanks by filling them with an inert material, Air Force policy requires removal of abandoned tanks to preclude future liability and record keeping associated with tanks that have been closed in place.

CURRENT SITUATION: The base has two liquid fuel pumphouses, constructed in the early 1950s, with twelve 50,000 gallon underground fuel storage tanks and two 2,000 gallon waste fuel storage tanks. The pumphouses are no longer required to meet the installation's fuel storage requirements. The 14 storage tanks are abandoned in place and are currently in violation of Title 16, Chapter 45, Montana Underground Storage Tank Rules for Tank Management and Operations. Nine of these tanks have been abandoned for approximately ten years, while five tanks were abandoned in Aug 1993. Accomplishment of this project will satisfy state environmental regulatory laws.

3. INSTALLATION AND LOCATION  MALMSTROM AIR FORCE BASE, MONTANA  4. PROJECT TITLE  5. PROJECT	ATE
4. PROJECT TITLE 5. PROJECT	
UNDERGROUND FUEL STORAGE TANKS NZAS9325	

IMPACT IF NOT PROVIDED: Failure to remove these underground storage tanks will result in the State of Montana issuing an open enforcement action (OEA), which could result in fines or penalties. These penalties include denying underground tank permits or closing down refueling operations at Malmstrom.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Criteria" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.

. COMPONE	TME	FY 1995 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE
IR FORCE	Ī	(computer generated)	14.0	
		ON AND LOCATION		
ALMSTROM	AIR	FORCE BASE, MONTANA		
. PROJECT	TIT	TLE	5. PR	OJECT NUMBER
NDERGROUN	ID FU	UEL STORAGE TANKS	NZ	AS932501
2. SUPPI	LEMEN	NTAL DATA:		
a. Esti	imate	ed Design Data:		
(1)		atus:		
		Date Design Started		93 APR 26
		Parametric Cost Estimates used to develop	costs	Y
		Percent Complete as of Jan 1994		35%
		Date 35% Designed.		94 JAN 13
	(e)	Date Design Complete		94 APR 15
(2)	Bas			
		Standard or Definitive Design - Where Design Was Most Recently Used -		NO N/A
(3)		tal Cost (c) = (a) + (b) or (d) + (e):		(\$000
		Production of Plans and Specifications		190
		All Other Design Costs		110
		Total		300
		Contract		275
	(e)	In-house		25
(4)	Cor	nstruction Start		95 FEB
		associated with this project will be provid	ed fro	m
iher appr	oprı	iations: N/A		

1. COMPONENT								2.	DATE	
	F	1995 MILITARY CO	ONSTRUCT	TION PR	OJECT	DATA	. ]			
AIR FORCE		(compute	er gener	rated)						
3. INSTALLATI	ON ANI	LOCATION		4. PRO	JECT 1	TTLE	;			
		•	İ	UNDERG	ROUND	FUEL	. STOR	AGE	TANK	S
MALMSTROM AIR	FORCE	E BASE, MONTANA		MINUTE						
5. PROGRAM EI	LEMENT	6. CATEGORY CODE	7. PRO.	JECT NU	MBER	8. P	ROJEC	T C	OST(\$	000)
4.18.56		411-135		<u> </u>					<u>4,000</u>	
		9. COS	T ESTIM	ATES		<del></del> -				
				- 1	}	1	UNIT	1	cos	-
		ITEM			QUANT		COST		(\$00	0)
UNDERGROUND I				EA		91		Ų	_	
MINUTEMAN II					1			[		899
		UND STORAGE TANKS		EA	l	43	51,6			219)
		UND STORAGE TANKS		EA		5	50,0			250)
TANK REMOVA	AL/DIS	POSAL		EA		43	10,0	00		430)
SUPPORTING FA	ACILIT	IES		- 1						530
UTILITIES				LS	ļ			1	(	20)
SITE IMPROV	VEMENT	S		LS	Į.			l	(	60)
SOIL REMED	IATION			LS						<u>450</u> )
SUBTOTAL				1	1	1				429
CONTINGENCY					1			ı		343
TOTAL CONTRAC					-				•	772
		CTION AND OVERHEA	D (6%)	ţ	(	Į		į		226
TOTAL REQUES										998
TOTAL REQUES	r (ROU	NDED)		}				1	4,	000
 						ĺ				
I				}	}	}		1		

Description of Proposed Construction: Remove and replace 43 deep buried tanks and replace with double-walled fiberglass reinforced plastic tanks and upgrade five deep buried tanks to include replacing the product supply lines, return lines, vent lines, removal/disposal of contaminated soil, and all necessary support.

11. REQUIREMENT: As required.

PROJECT: Remove, replace, and upgrade underground fuel storage tanks at Minuteman III facilities. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. This project will remove 43 deep buried tanks and replace them with new double-walled fiberglass reinforced plastic tanks. This project will also upgrade 5 steel tanks. Federal and state regulations (40 CFR 280.20-.21) and Title 16, Chapter 45, Montana Underground Storage Tank Rules, require that new fiberglass reinforced plastic tanks be installed with spill/overflow prevention and leak detection monitoring systems. For steel tanks being upgraded in place, these regulations require installation of corrosion protection, spill/overflow prevention, and leak detection monitoring systems by December 1998.

CURRENT SITUATION: Underground fuel storage tanks at missile sites in Montana do not meet federal regulatory requirements for corrosion protection, leak detection monitoring, and overfill/spill protection. tanks included in this project are up to 40 feet deep.

IMPACT IF NOT PROVIDED: If these tanks are not brought into environmental compliance by December 1998, the base will be in violation of the law and may be issued notices of violation (NOVs), be fined, and receive significant adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of

l	1. COMPONENT AIR FORCE		1995	MILITA		ONSTR			DJECT	DAT	A	2. D	ATE
l	3. INSTALLAT				NA.	<u>-</u>							
Ī	4. PROJECT T	TLE									5 .	PROJECT	
l	UNDERGROUND I	FUEL STO	<u>ORAGE</u>	TANKS	MINU	<u>ITEMAN</u>	III	FACI	LITIES	3		NZAS952	500

Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.

1. COMPONE	NT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		(computer generated)	
3. INSTALI	ATION	AND LOCATION	·
		ORCE BASE, MONTANA	
4. PROJECT	TITL	E (5	5. PROJECT NUMBER
UNDERGROUN	D FUE	L STORAGE TANKS MINUTEMAN III FACILITIES	NZAS952500
		AT	
12. SUPPI	EMENT	AL DATA:	
a Pasi		Danier Date:	
a. Est:	.mated	Design Data:	
(1)	Stati	no *	
(1)		Date Design Started	93 APR 21
		Parametric Cost Estimates used to develop co	• - ····
		Percent Complete as of Jan 1994	100%
		Date 35% Designed.	93 AUG 30
		Date Design Complete	93 DEC 30
	, , ,		• • • • • • • • • • • • • • • • • • • •
(2)	Basis	s:	
	(a)	Standard or Definitive Design -	NO
		Where Design Was Most Recently Used -	N/A
		· ·	•
(3)		1  Cost  (c) = (a) + (b)  or  (d) + (e):	(\$000)
	(a) 1	Production of Plans and Specifications	240
		All Other Design Costs	140
	(c) :		380
		Contract	
	(e)	In-house	380
	_		
(4)	Cons	truction Start	95 FEB
		ssociated with this project will be provided tions: N/A	i from

1. COMPONENT	pv	1005	MILITA	שע כחי	ור שם וו <i>י</i>	י ערודי	ייים פ		2.	DAT	E
AIR FORCE	r I	722		uter s			TOO!	-CALIT			
3. INSTALLATI	ON AND LO	CATIC				MMAND			5	ARE	A CONST
						_					T INDEX
OFFUTT AIR FO	RCE BASE	. NEBR	LASKA		AIR C	OMBAT	COM	AAND			98
6. PERSONNEL			ERMANE			UDENTS		SUPP	ORTE		
STRENGTH	-		ENL	CIV			-			CIV	TOTAL
a. As of 30 S	EP 93	2122	7500	1326		58					11,006
b. End FY 199	19	1929	6891	1391				265	118	27	10,621
			. INVE			(\$000)	)	• • • • • • • • • • • • • • • • • • • •		•	
a. Total Acre	age: (		92)								
b. Inventory		Of:	(30 SE	P 93)					44	43,47	78
c. Authorizat										17,99	
d. Authorizat					gram:					2,26	
e. Authorizat						am:	(FY	1996)		3,85	
f. Planned In										31,60	
g. Remaining										•	0
h. Grand Tota									49	99,17	78
8. PROJECTS R		IN TH	IIS PRO	GRAM:	FY 1	995					<del></del>
CATEGORY	•					-		COST	DE:	SIGN	STATUS
CODE	PROJ	ECT TI	TLE		9	COPE		(\$000)		CART	CMPL
					-						
411-135 UNDE	RGROUND	FUEL S	TORAGE	TANK	3	24	EA	760	ງຫ	1 93	MAR 94
871-183 UPGR							LS	1,500		7 93	_
	ILITIES							-,		. ,,	
						TOTAL	:	2,260			
9a. Future P	rojects:	Incl	uded i	n the	Follo					5)	
740-884 CHIL								3,850		•	
						TOTAL		3,850			
9b. Future F	rojects:	Турі	cal Pl	anned	Next	Three	Yea				
121-124 UPGF							LS	3,300			
	CILITY							-,			
121-124 UPGR	ADE HYDR	ANT FU	JEL PUM	PING			LS	18,600			
	TEM							,			
179-475 COME	AT ARMS	TRAIN	NG AND	)			LS	1,500			
	NTENANCE							-,,,,,			
442-758 WARE					2	20,000	SF	2,500			
813-000 UPGR		TRIC S	UBSTAT	CION		-,	LS	5,700			
10. Mission					quart	ers IIn				teei	ic
Command; a fl											
(RC-135 aircr	eaft) two	o airt	orne c	Omman	d and	contr	1 e	unayson	e (F	-/- 25	, ad
EC-135 aircra	ft) which	h mair	itain a	modi	fied s	lort	nneti	dragion	d en	oi-1	id Iifr
flight (C-21	aircraft	). an	intell	igenc	uine uine	· Air	For	ce Glob	a 1 W.	alli	
Central; and	a IISAF r	ogions	1 hoen	itel	s w1116	, AII	ror	ce GIOD	al W	SACIIE	: I
	ling poll					defic	enc				
Catatano	horr	-C1011	and 29	recy	(0011)	delic.	L CIIC	169.			
a. Air	pollution	n:								500	`
	r pollut:									1,500 3,500	
	pational		v and	heelti					•		_
	r Environ			HEGICI						) 500	
u. Othe	r puviloi	muell C 8								1,500	,

1. COMPONENT						<u> </u>		2.	DATE
	F	7 1995 MILITARY C			ROJ	IECT DA	TA		
AIR FORCE			er gener					<u> </u>	
3. INSTALLATI	ON ANI	LOCATION				CT TIT		<b>6</b> 10	
	nar n	AGE MEDDAGVA				STORM	DKAINA	GE	
		ASE, NEBRASKA  6. CATEGORY CODE	7 PPO	FACIL			PROTE	CT (	COST(SOOO)
J. PRUGRAM EL	EHEN I	6. CALEGORI CODE		JECI N	UITE	LK O.	PROJE	<b>01</b> (	CO31(\$000)
2.74.56C		871-183	SGBI	95250	0				1,500
		9. COS	T ESTIM	ATES			· · · · · · · · · · · · · · · · · · ·		
				ļ			UNI		COST
		ITEM				TITHAU	Y COS	<u>T</u>	(\$000)
		NAGE FACILITIES		LS					650
SUPPORTING FA									700
CORRECT CRO	SS-CO	NNECTIONS		LS			1		(
SUBTOTAL	'EW\			ļ					1,350 68
CONTINGENCY ( TOTAL CONTRAC		Tr.		į					$\frac{-88}{1,418}$
		CTION AND OVERHEA	AD (6%)	- 1	-				85
TOTAL REQUEST		OIION PAND OVERLIER	D (02)						1,503
TOTAL REQUEST		NDED)		ļ			1		1,500
	,			į					
				j	ı				1
				1	1		-		1
					ŀ				1
				1			1		
							1		
							1		
					1		1		I

10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of sanitary and storm sewer cross-connections and rerouting of non-storm water discharges to the sanitary sewer system. Connect oil/water separators, and provide necessary support.

REQUIREMENT: As required.

PROJECT: Upgrade storm drainage facilities. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit was issued on 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are required to eliminate sources of pollutants to the storm drain.

**CURRENT SITUATION:** The base does not provide storm water runoff control measures from the industrial areas of the base. There are existing cross-connections which are not allowed by the storm water NPDES permit. Some non-storm water discharges (process and sanitary wastewater) are connected to or seep into the storm drainage system which is not allowed by the NPDES permit.

IMPACT IF NOT PROVIDED: Offutt AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However. this project does meet the criteria/scope specified in Air Force Manual

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCT	
3. INSTALLAT	ION AND LOCATION	4.00/
OFFUTT AIR FO	DRCE BASE, NEBRASKA	
4. PROJECT T	ITLE	5. PROJECT NUMBER
UPGRADE STORI	1 DRAINAGE FACILITIES	SGBP952500
86-2, "Standa	ard Facility Requirements".	
	,	
		ŀ
		·
		·

. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DA	ATA
IR FORCE	(computer generated)	
. INSTALLATÍ	ON AND LOCATION	
PROJECT TI	RCE BASE, NEBRASKA	5. PROJECT NUMBE
. PROJECT TI	ILE	5. PROJECT NUMBE
PGRADE STORM	DRAINAGE FACILITIES	SGBP952500
		<del></del>
2. SUPPLEME	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atue.	
• •	Date Design Started	93 MAY 1
	Parametric Cost Estimates used to develop	• • • • • •
	Percent Complete as of Jan 1994	60
	Date 35% Designed.	93 NOV 0
	Date Design Complete	94 MAY 1
(2) Ba	sis:	
•	Standard or Definitive Design -	Ю
	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$00
	Production of Plans and Specifications	9
	All Other Design Costs	4
	Total	13
(d)	Contract	9
(e)	In-house	4
(4) Co	nstruction Start	95 JA
. Equipment	associated with this project will be provide	

1. COMPO		1995	MILITA	ARY COL	NCTRII	TION I	PROGE	DAW .		2.	DAT	E	
AIR FORCE		1333		outer of			ROGE	(An					
	LLATION AND LO	CATIO				MMAND		-		5.	ARE	A COI	NST
	·				AIR N	MOBILI:	ΓY				cos	T IN	DEX
MCGUIRE	AIR FORCE BASE	E, NEV	I JERSI	EY	COMMA	AND	-			İ	1.	19	
6. PERSO	NNEL	I	ERMANI	TME	S1	TUDENT:	S	SUP	POR'	TED			
STREN	GTH	OFF	ENL			ENL	CIV	OFF	EN	L C	IV.	TOT	AL
a. As of	30 SEP 93	471		1212				2		11		5,	502
b. End F	Y 1999			1195		65		1		10		5,1	042
pr	*			ENTORY	DATA	(\$000	<u> </u>						
	Acreage: (		502)										
	tory Total As										,57		
	rization Not										, 37		
	rization Reque						<b>/-</b>				,00		
	rization Inclu					ram:	(FY )	1996)			,40		
	ed In Next The		rogram	Years	:					38	3,60	Ŭ.	
h. Grand	ning Deficiend	:y:								201		U	
	CTS REQUESTED	TN TI	ITC DD	YCD AM ·	FY	005		<u></u>		302	94	<u>U</u>	
CATEGORY	•	114 11	112 17/	JOKALI.	rı .	1993		COST		DEG 1	CN	STATI	iic
CODE		ECT T	TLE			SCOPE		(\$000		STA		CM	
<u> </u>	11001	<u> </u>			-	<u> </u>		73000	_	915	11/1	Orn	
721-312	DORMITORY					265	PN	8,70	n	AUG	93	AUG	94
	DORMITORY						PN	1,60		SEP	-		
	UPGRADE SANI	CARY S	EWER S	SYSTEM			LS	4,80		APR			
871-183							LS	1,90		SEP		JUL	
	<b>FACILITIES</b>							-,	•				•
						TOTAL	:	17,00	0				
	ure Projects:			in the	Follo	owing	Prog	ram (F	Y 1	996)	)		
113-321	ADD TO PARKI						LS	4,10	0				
141-753	•		-		4	42,705	SF	6,90	0				
	MAINTENANCE												
141-753	•				4	42,705	SF	6,90	0				
	MAINTENANCE								_				
141-753	SQUADRON OPER					41,475	SF	7,60	0				
171 010	MAINTENANCE												
1/1-212	ADD TO KC-10	rligh	IT SIM	ULATOR			LS	2,30	U				
170-511	TRAINING	7737 <i>-</i>		•					_				
	FIREMEN TRAIN			T A			LS	•					
	FIRE TRAINING DORMITORY	FAC.	LLITY			2/2	LS						
721-312	DORMITORY						_	13,40					
Qb Rut	ure Projects:	Tom	ool P	lannad	Mont	TOTAL	V	44,40	<u>U</u>				
721-312	ALTER UNACCO	тур) Тур)	CAL P.	icard Fring	JX9n	Inree 280			Λ				
312	HSG UNACCO	~ UNIT	.بالان س	TO TED		200	LU	7,80	U				
721-312	DORMITORY					3/18	DN	13,80	n				
	ALTER UNACCOR	PANTE	D ENI	ISTED		252		8,00					
	HSG	1 & &				- 12	- 14	5,00	•				
740-316	RECREATION C	ENTER			•	22,500	SF	1 80	n				
	OPEN-HEAD DEI				•	, 500		1,60					
10. Mis	sion or Major	Funct	ions:	Head	quart	ers Two	ent v	-First	Ai	r Fo	TCA	: an	
airlift	wing with thre	e C-1	41 sa	uadron	s: an	Air F	orce	Reser	VP I	C-14	1	, an	
associate	e airlift wing	; and	l Air l	Nation	al Gua	ard ai	r re	fuelin	2 W	ing	 Wit	h tw	o.
KC-135 s	quadrons.								<i>o</i> "				-

	1. COMPONENT	DV 1005 MTTT	PARY CO	NO TO LIC	TOM I	חממו	AM		2. DAT	re
į	1	FY 1995 HILI1				KUG	LAIT			
-	AIR FORCE		aputer							
ĺ	3. INSTALLATION AND	LOCATION		1	DIAMME			i	5. ARI	EA CONST
i	1			AIR I	<b>COBILI</b>	ΓY		1	COS	ST INDEX
	MCGUIRE AIR FORCE B.	ASE, NEW JERS	SEY	COMM	UND				1.	.19
	6. PERSONNEL	PERMAI	NENT	Si	UDENT	3	SUF	PORT	ED	
	STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
	a. As of	. 1								
	b. End FY		1							
٠		7. IN	VENTORY	DATA	(\$000	)				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
•	a. Total Acreage:							**		
	b. Inventory Total	As Of:								
	c. Authorization No		entory:							
	d. Authorization Re			oram:						į
	e. Authorization In				rem'					
	f. Planned In Next									
	g. Remaining Defici		m rears	•						
	h. Grand Total:	ency.								
•		llusian and		(OCH)	4-6:-					
	11. Outstanding po	itution and	sarety	(USD)	det 1C	renci	.es:			
	a. Air pollut	ion:							(	<b>)</b>
	b. Water poll								(	) l
		al safety and	d healt	h:					ì	a
	d. Other Envi								1,600	<u> </u>
	l a. other mivi	· Armentar .							x, 000	<b>'</b>
	1									

1. COMPONENT	F	1995 MILITARY CO				DECT	DATA	1	. DATE	
AIR FORCE			er gener		_					
3. INSTALLATIO	IMA NO	LOCATION		4.	PRO.	JECT ?	CITLE	3		
		BASE, NEW JERSEY			TIMS					
<ol> <li>PROGRAM ELE</li> </ol>	MENT	6. CATEGORY CODE	7. PRO	JEC1	וטא י	MBER	8. I	PROJECT	COST(\$0	00)
4.18.96		721-312	PTFI						8,700	
		9. COS	r estim	<b>ITES</b>	3			,		
								UNIT	COST	
		ITEM				QUAN'			(\$000	_
DORMITORY (265					SF	58,0	000	11	- 1	
SUPPORTING FAC	CILIT	TES							1,40	
UTILITIES					LS	ļ				10)
SITE IMPROVE	EMENTS	3		1	LS				1 -	65)
PAVEMENTS					LS	}			(5	_
SUBTOTAL									7,84	
CONTINGENCY (5	•					ļ				<u>92</u>
TOTAL CONTRACT				ļ		l			8,2	
	INSPE	CTION AND OVERHEAD	D (6%)							<u>94</u>
TOTAL REQUEST	_								8,7	
TOTAL REQUEST	(ROU	NDED)				}			8,70	00
				- 1		ł			1	
				ĺ		1			1	
									1	
									1	
									[	

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundry, storage and lounge areas, fire protection and other necessary support.

Air Conditioning: 80 Tons. Grade Mix: 240 E1-E4; 25 E5-E6.

REQUIREMENT: 2,158 PN ADEQUATE: 1,056 PN SUBSTANDARD: 1,382 PN

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: There are currently not enough adequate dormitories to meet billeting requirements of unaccompanied enlisted personnel at this base. Substandard facilities to be replaced are semi-permanent facilities which do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. The current dormitory occupancy rate is 100 percent.

IMPACT IF NOT PROVIDED: Substandard living accommodations on base will continue to be a contributing factor to low morale, reduced productivity and dissatisfaction with Air Force life for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing alternatives of new construction,

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	<u> </u>
	ON AND LOCATION	
MCGUIRE AIR I	ORCE BASE, NEW JERSEY	
4. PROJECT T	TLE 5	. PROJECT NUMBER
DORMITORY		PTF1.923001

demolishing existing dorms and sending enlisted personnel off base paying BAQ/VHA, revitalization and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. Project has been considered for FY98 force structure end strength.

. IN21	CE	(computer generated) ATION AND LOCATION	·	
CCUIDE	. AT	R FORCE BASE, NEW JERSEY		
		TITLE	5. PRO	JECT NUMBER
ORMITO	RY		PTI	L923001
2. SU	JPPL	EMENTAL DATA:		
a. E	sti	mated Design Data:		
(	(1)	Status:		
		(a) Date Design Started		93 AUG 15
		(b) Parametric Cost Estimates used to develo	p costs	Y
		(c) Percent Complete as of Jan 1994		15%
		(d) Date 35% Designed.		94 FEB 28
		(e) Date Design Complete		94 AUG 15
(	(2)	Basis:		
		(a) Standard or Definitive Design -		NO
		(b) Where Design Was Most Recently Used -		N/A
(	(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$000
		(a) Production of Plans and Specifications		522
		(b) All Other Design Costs		304
		(c) Total		826
		(d) Contract		736
		(e) In-house	•	90
(	(4)	Construction Start		95 FEB
(	(4)	Construction Start		95 FEB
. Equ	ipm	ent associated with this project will be prov	rided from	
. Equ	ipm		vided from	
. Equ	ipm	ent associated with this project will be prov	vided from	
. Equ	ipm	ent associated with this project will be prov	rided from	
. Equ	ipm	ent associated with this project will be prov	rided from	
. Equ	ipm	ent associated with this project will be prov	vided from	
. Equ	ipm	ent associated with this project will be prov	vided from	
. Equ	ipm	ent associated with this project will be prov	rided from	95 FEB
. Equ	ipm	ent associated with this project will be prov	rided from	
. Equ	ipm	ent associated with this project will be prov	vided from	
. Equ	ipm	ent associated with this project will be prov	vided from	
. Equ	ipm	ent associated with this project will be prov	vided from	
. Equ	ipm	ent associated with this project will be prov	vided from	

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE

**DORMITORY** MCGUIRE AIR FORCE BASE, NEW JERSEY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

PTFL943191 4.12.19 721-312 1,600

UNIT COST 105	COST (\$000) 1,260 195 ( 60) ( 65) ( 70)
	1,260 195 ( 60) ( 65)
	1,455
	73 1,528 92 1,620 1,600

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and other necessary support.

Air Conditioning: 35 Tons. Grade Mix: 60 E1-E4.

11. REQUIREMENT: 2,386 PN ADEQUATE: 1,056 PN SUBSTANDARD: 1,382 PN

PROJECT: Construct a dormitory. (New Mission)

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: The Base Realignment and Closure, Round III (BRAC 93) decision realigned KC-10s to McGuire. Subsequent to the closure decision, the USAF decided to consolidate further by moving additional KC-10 aircraft to McGuire. There are not enough dormitories on base to accommodate the additional unaccompanied enlisted personnel who will relocate to this base in support of the Air Force tanker realignment. By adding this requirement to the BRAC dormitory project a single facility can be constructed to satisfy both requirements. Existing dormitories are 100 percent occupied.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This is a companion project to the BRAC 93 Dormitory project PTFL943176R3 which

. COMPONENT				2. DATE
			ION PROJECT DA	
IR FORCE	<u>(c</u>	omputer genera	ated)	
. INSTALLATIO	ON AND LOCATION			
CGUIRE AIR FO	RCE BASE, NEW JE	RSEY		
. PROJECT TIT				5. PROJECT NUMBE
ORMITORY				PTFL943191
			<del></del>	
	28 person dormit	ory. Project	meets FY98 fo	rce structure end
trength.				
	••			

. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
	ION AND LOCATION	
56447NN 47N	SONGE NAGE WELL LENGEV	
. PROJECT T	FORCE BASE, NEW JERSEY	PROJECT NUMBER
. PRODECT I		1 NOODO1 NOIDDN
ORMITORY		PTFL943191
2. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1)	tatus:	
	) Date Design Started	93 SEP 21
	) Parametric Cost Estimates used to develop cos	
	) Percent Complete as of Jan 1994	15%
	) Date 35% Designed.	94 FEB 28
( €	) Date Design Complete	94 SEP 25
(2) E	asis:	
	) Standard or Definitive Design -	NO
(t	) Where Design Was Most Recently Used -	N/A
(3) 1	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
( a	) Production of Plans and Specifications	96
	) All Other Design Costs	64
	) Total	160
	) Contract	105
(6	) In-house	55
(4)	onstruction Start	95 APR
. Equipmen	t associated with this project will be provided	from
	riations: N/A	e e Am

1. COMPONENT						2.	DATE
	F	Y 1995 MILITARY CO	ONSTRUCT	CION PRO	OJECT DATA	A	
AIR FORCE		(compute	er gener	rated)			
3. INSTALLATION	N ANI	LOCATION		4. PRO	JECT TITL	3	
		RASE, NEW JERSEY			E SANITAR		
5. PROGRAM ELEM	MENT	6. CATEGORY CODE	7. PRO.	JECT NU	MBER   8. 1	PROJECT (	COST(\$000
					1		_
4.18.56		832-266		<u> 1943003</u>			4,800
		9. COS	T ESTIM	ATES	<u> </u>		2022
		T 00004			OVER NOT THE	UNIT	COST
		ITEM			QUANTITY	COST	(\$000)
UPGRADE SANITAL				LS	68 500	3.5	3,874
UPGRADE SANI				LF	68,500	35	
		RY SEWER MAINS		EA	18,000 270	73 600	
REPAIR/REPLAC SUPPORTING FACT				EA	2/0	000	230
				LS	ļ		(230
SITE IMPROVEI SUBTOTAL	MCN I	5/PAVEMEN15		123			4,104
CONTINGENCY (1)	0 <del>7</del> )						410
TOTAL CONTRACT		ጥ				į.	4,514
		CTION AND OVERHEA	D (6%)		1	[ .	271
TOTAL REQUEST		orrow range overdient	<i>D</i> (0,2)				4,785
TOTAL REQUEST	(ROIII	NDED)			Į.		4,800
	,						,,,,,,,
				į	l		
					1		
				ı			

10. Description of Proposed Construction: All work necessary to upgrade existing sanitary sewer main lines throughout the base. Work includes installing protective linings, replacing existing pipe with vitreous clay pipe where required, regrouting existing manholes, replacing selected manholes and repairing pavements as necessary.

11. REQUIREMENT: As required.

PROJECT: Upgrade sanitary sewer system. (Current Mission)
REQUIREMENT: This is a Level I environmental compliance requirement.
This project corrects National Pollutant Discharge Elimination System (NPDES) violations. Court order EPA-CWA-IT-90-214, issued 17 Dec 90, requires McGuire to maintain compliance with the NPDES permit conditions.
The NPDES Permit for McGuire states that flow cannot exceed 1.25 million gallons per day. This project is required to eliminate excessive infiltration/inflow to prevent hydraulic overloading in the sanitary sewage collection system. This is necessary to meet the stringent requirements of the Clean Water Act as implemented by regulations, existing court order, and permits issued by the US Environmental Protection Agency (EPA), New Jersey Department of Environmental Protection and the Pinelands Commission.

CURRENT SITUATION: The 39-year-old sanitary sewer system has deteriorated and cannot meet the current environmental compliance requirements established by the Clean Water Act. Constant sewage line leaks, problems associated with excessive infiltration/inflow to the existing sewage treatment plant, and hydraulic overloading have resulted in McGuire AFB exceeding state pollution discharge permits. Even with a new sewage treatment plant in the FY 92 MILCON program, hydraulic overloading will still occur and cause continuous violations of state discharge permits. A

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION	N AND LOCATION	
MCGUIRE AIR FOI	RCE BASE, NEW JERSEY	
4. PROJECT TITI	LE   5.	PROJECT NUMBER

FY93 military construction project upgrades 36 percent of the sanitary sewer system. This project upgrades the remaining underground sewage system.

UPGRADE SANITARY SEWER SYSTEM

IMPACT IF NOT PROVIDED: The sanitary sewer system will continue to deteriorate, thus increasing the amount of excessive infiltration/inflow to the existing and proposed sewage treatment plant. This will expose the Air Force and DOD to adverse publicity, increased fines, and possible continuation of outside legal action.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, and new construction) was done. It indicates there is only one option that satisfies regulatory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.

PTFL943003

1. COMPONENT			. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE	(computer_generated)		
3. INSTALLAT	ION AND LOCATION		
CGUIRE AIR	FORCE BASE, NEW JERSEY		
. PROJECT T		5. PROJ	ECT NUMBER
UPGRADE SANI	TARY SEWER SYSTEM	PTFL	<u>.943003</u>
10 017777	TOWN AT DAME.		
12. SUPPLEM	ENTAL DATA:		
a. Estima	ted Design Data:		
(1) S	tatus:		
• •	) Date Design Started		93 APR 29
	) Parametric Cost Estimates used to develop	costs	Y
(c	) Percent Complete as of Jan 1994		152
(d	) Date 35% Designed.		94 MAR 30
(е	) Date Design Complete		94 SEP 29
(2) B	asis:		
(а	) Standard or Definitive Design -		NO
	) Where Design Was Most Recently Used -		N/A
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):		(\$000
(а	) Production of Plans and Specifications		200
(b	) All Other Design Costs		200
	) Total		400
(d	) Contract		375
(e	) In-house		25
(4) 0	onstruction Start		95 JAN
	t associated with this project will be provid	ed trom	

other appropriations: N/A

1. COMPONENT	-			<del></del>	<del> </del>	12.	DATE		
	F	1995 MILITARY CO	ONSTRUCT	ION PR	OJECT DATA	I '			
AIR FORCE		(compute	er gener						
	. INSTALLATION AND LOCATION 4				JECT TITLI	<b>E</b>			
				UPGRAD	E STORM DI	RAINAGE			
		BASE, NEW JERSEY		FACILI					
5. PROGRAM EI	LEMENT	6. CATEGORY CODE	7. PROJ	ECT NU	MBER   8. 1	PROJECT (	COST(\$000)		
					1				
4.18.56		871-183		<u>.943002</u>			1,900		
		9. COS	r estima	TES	1	1			
						UNIT	COST		
	<del></del>	ITEM			QUANTITY	COST	(\$000)		
		NAGE FACILITIES		LS			1,614		
UPGRADE STO				LF	35,400	35			
CONSTRUCT		-		LF	3,000	75			
REPAIR/REPI				EA	300	500			
SUPPORTING FA					(		35		
SITE IMPROV	VEMENT	S/PAVING		LS			( <u>35</u> )		
SUBTOTAL	(104)				1	}	1,649		
CONTINGENCY		-					165		
TOTAL CONTRAC			n /(#)				1,814		
		CTION AND OVERHEAD	ע (פא)				109		
TOTAL REQUEST (ROUNDED)			Ì			1,923			
TOTAL REQUES.	r (KOO)	(עםעא					1,900		
				- 1					
				}		}			
•				ł	i				

10. Description of Proposed Construction: Upgrade storm sewer lines that currently cross the runway. Work includes upgrading three 10-foot storm sewers by installing liners in some reaches, replacing damaged pipe with new pipe where necessary and repairing manholes and paving as required.

11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage facilities. (Current Mission)
REQUIREMENT: This is a Level II environmental compliance requirement.
This project will correct stormwater runoff deficiencies which violate 40 CFR 122.26. These deficiencies must be corrected by 1 Oct 96. An adequate storm drainage system is required to prevent flooding of base and adjoining lands and facilities by collecting runoff from rainfall and conveying it to nearby streams. Without adequate sewer lines, heavy runoff can mix with oil and other contaminants resulting in contamination of nearby waterways. The system must be independent of the existing sanitary sewer system and must reduce excessive infiltration/inflow to the wastewater treatment plant. The upgrading of these sewers will provide improved drainage around the base, where needed, to prevent ponding and storm water entry into the sanitary sewer through manholes and possible cross-connectors with the sanitary sewer system.

CURRENT SITUATION: The base storm drainage system has deteriorated to the point that it cannot meet current environmental compliance requirements established by the Clean Water Act. Excessive infiltration/inflow during storm events causes hydraulic overloading at the existing wastewater treatment plant upsetting the treatment processes. The aging storm sewer network contributes to sewage plant overload through direct cross connections, infiltration to the sanitary sewer system, inadequate inlet, and sewer capacity. A FY93 military construction project upgrades 37

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DA  AIR FORCE (computer generated)	TA	2. DATE
3. INSTALLATION AND LOCATION  MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE		OJECT NUMBER
UPGRADE STORM DRAINAGE FACILITIES	PT	FL943002

percent of the storm water system. This project upgrades the remaining storm water system.

IMPACT IF NOT PROVIDED: Uncontrolled runoff will result in the base being unable to meet discharge limits during heavy rains. There would be an increase in surface water contamination and uncontrolled runoff would continue to be a potential health and safety hazard to base personnel.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.

. COMPONEN	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
. INSTALLA	TION AND LOCATION	
	DODGD DIGD VIIII IDDGIV	
. PROJECT	FORCE BASE, NEW JERSEY	ROJECT NUMBER
. PROJECT	111bc	ROJECI NORBER
PGRADE STO	RM DRAINAGE FACILITIES F	TFL943002
2. SUPPLE	MENTAL DATA:	
a. Estin	ated Design Data:	
(1)	Status:	
(	a) Date Design Started	93 SEP 15
	b) Parametric Cost Estimates used to develop costs	
	c) Percent Complete as of Jan 1994	95%
	d) Date 35% Designed.	93 SEP 19
	e) Date Design Complete	94 JUL 30
(2)	Basis:	
	a) Standard or Definitive Design -	NO
(	b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	a) Production of Plans and Specifications	90
	b) All Other Design Costs	103
	c) Total	193
	d) Contract	113
(	e) In-house	80
(4)	Construction Start	94 DEC
	nt associated with this project will be provided fr priations: N/A	·om

1. COMPONENT							2	. DAT	E	
<b>,</b>	Y 1995 MILITAR				PROGR	AM				
AIR FORCE  3. INSTALLATION AND	(compu	ter g						ADE	A CONCE	
3. INSTALLATION AND	LUCATION		4. 60	MMAND			2		A CONST	
HOLLOMAN AIR FORCE B	ACE NEW MENTO	_	ATD C	OMBAT	COM	(AMP)		COST INDEX		
6. PERSONNEL	PERMANEN			UDENT		SUPP	OPTE		00	
STRENGTH		CIV		ENL				CIV	TOTAL	
a. As of 30 SEP 93	555 4031		181		12	7		61	5,981	
b. End FY 1999	486 3965					26		397	6,196	
5. End 11 1999	7. INVEN							13311	0,17	
a. Total Acreage: (			<u> </u>	1000						
b. Inventory Total A		93)					3	37,78	16	
c. Authorization Not								30,22		
d. Authorization Req			ram:					3,95		
e. Authorization Inc				am:	(FY 1	996)		-	Ō	
f. Planned In Next T								21,04	0	
g. Remaining Deficie	_							-	0	
h. Grand Total:							3	392,99	6	
8. PROJECTS REQUESTE	D IN THIS PROG	RAM:	FY 1	995						
CATEGORY						COST		ESIGN	STATUS	
<u>CODE</u> <u>PRO</u>	JECT TITLE		2	COPE		(\$000)	<u> </u>	TART	CMPL	
721-312 DORMITORY								JN 93	AUG 9	
				TOTAL						
Pa. Future Projects	: Included in	the	Follo	wing	Progr	am (FY	199	96) NO	<u>ne</u> _	
b. Future Projects	: Typical Pla	nned								
112-211 TAXIWAY						1,540				
130-142 FIRE/CRASH						1,300				
312-472 ADD TO ENVI		ARCH		6,000	SF	4,000	l			
LABORATORY 315-944 ADD TO AND				2 000	45	1 000				
GUIDANCE L				3,900	Sr	1,200	,			
721-312 ALTER UNACC		ጥዌኮ		250	DM	6 000				
HSG	OULWHIED ENTIS	IED		230	PN	6,900	,			
10. Mission or Majo	r Functions:	A fir	hto-			<u> </u>	P-11	7		
squadrons one of whi	ch is responsi	PJO 4	gnter For tr	wing	witu 11	E-117	L-II	l /		
a combat air rescue	detachment (HH	-60 1	nelico	ntore	)· " Pari	mohili	411	crews	, and	
squadron (maintains	the Harvest Ra	re ki	i + ) · · ·	n Air	,, a Fore	Mate	riol	, Coma	and	
test group; a German	Air Force fig	hter	trair	ino s	thenn	on (F-	4 9	reraf	·+ ) ·	
and an Air National	Guard fighter	inte	rcepto	or det	quau. achma	ont (F-	16 .	ircra	fr)	
ll. Outstanding pol							10 6	*** C T G	1117.	
		,	/			•				
a. Air polluti	on:							0	)	
b. Water pollu	tion:							Ö		
c. Occupationa		ealth	n:					Ö		
d. Other Envir								Ö	)	

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

(computer generated)

2. DATE

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

HOLLOMAN AIR FORCE BASE, NEW MEXICO

DORMITORY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

2.75.96C 721-312 KWRD943007
9. COST ESTIMATES

y. CUST ESTIMAT	169			
TERM	11.04	QUANTITY	UNIT	COST (\$000)
ITEM				
DORMITORY (142 PN)	SF	30,100	92	2,769
SUPPORTING FACILITIES				795
UTILITIES	LS			( 175)
SITE IMPROVEMENTS	LS			( 235)
PAVEMENTS	LS			( 75)
ASBESTOS DISPOSAL	SF	25,700	6	( 155)
DEMOLITION	SF	25,700	6	( <u>155</u> )
SUBTOTAL				3,564
CONTINGENCY (52)				<u> 178</u>
TOTAL CONTRACT COST	ì		1	3,742
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>225</u>
TOTAL REQUEST				3,967
TOTAL REQUEST (ROUNDED)		l		3,950
	ł			
	1			

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, concrete framed facility, insulated maintenance-free exterior masonry walls, and built-up roof system. Includes room-bath-room modules, laundries, storage, lounge areas, fire protection, utilities, site work, and all necessary support. Associated work includes demolition of one existing dormitory facility.

Air Conditioning: 86 Tons. Grade Mix: 142 E1-E4.

11. REQUIREMENT: 1,466 PN ADEQUATE: 1,048 PN SUBSTANDARD: 351 PN PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, safety, and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to successfully accomplish the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: Holloman's dormitories were among the worst in Air Combat Command. The one remaining dilapidated dormitory cannot be economically upgraded to current standards and requires constant maintenance and repair. This dormitory has received no major upgrade since it was originally constructed over thirty years ago and it lacks privacy and adequate living space per occupant. It also has obsolete electrical and mechanical systems as well as inadequate lighting, insulation and sound attenuation. The existing fire detection system does not meet current standards as set forth in the NFPA Life Safety Code. The existing dormitory facility (25,716 SF) will be demolished upon construction completion of this facility.

IMPACT IF NOT PROVIDED: Substandard living conditions will continue to

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT (computer generated)	DATA 2. DATE
	ON AND LOCATION  FORCE BASE, NEW MEXICO	·
4. PROJECT TI		5. PROJECT NUMBER
DODATTORY		PURDO/ 3007

degrade the morale, productivity and career satisfaction of the enlisted force.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This project has been considered for FY 98 force structure end strength.

R FORCE		(computer generated)	
INSTALL	ATIC	ON AND LOCATION	
LLOMAN A	AIR F	ORCE BASE, NEW MEXICO	
PROJECT			5. PROJECT NUMBER
RMITORY			KWRD943007
. SUPPI	LEMEN	ITAL DATA:	
a. Esti	imate	ed Design Data:	
(1)	Sta	itus:	
		Date Design Started	93 JUN 03
		Parametric Cost Estimates used to develop	
		Percent Complete as of Jan 1994	60%
		Date 35% Designed.	93 NOV 30
	(e)	Date Design Complete	94 AUG 10
(2)	Bas		
		Standard or Definitive Design -	YES
	(b)	Where Design Was Most Recently Used -	HOLLOMAN
(3)		cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
		Production of Plans and Specifications	71
		All Other Design Costs	208
		Total	279
		Contract	71
	(e)	In-house	208
(4)	Cor	struction Start	95 JAN
Equipm her appr	nent copri	associated with this project will be provide ations: N/A	ed from
•••	•		
		- ·	

			···							
1. COMPONENT							ł	2. DAT	E	
<b></b>	FY 1995 M	ILITARY CO			PROGR	MA	ľ			
AIR FORCE	D 1001555	(computer								
3. INSTALLATION AN	D LOCATION			MMAND			- }		A CONST	
	0.400 1		AIR F					COST INDEX		
KIRTLAND AIR FORCE				IEL CO					02	
6. PERSONNEL		RMANENT		UDENTS			PORT		• ·	
STRENGTH		ENL CIV						. CIV		
a. As of 30 SEP 93					101			0 120	•	
b. End FY 1999		2935 2332				89	15	2 120	7,102	
7. INVENTORY DATA (\$000) a. Total Acreage: ( 44,025)										
a. Total Acreage:	( 44,02	(5)								
b. Inventory Total	As Of: (	30 SEP 93)						433,13		
c. Authorization N								12,15		
d. Authorization R					·	>		3,20		
e. Authorization I				am: (	(FY 1	996)				
f. Planned In Next Three Program Years: 61,140										
g. Remaining Defic	lency:								0	
h. Grand Total:								532,57	8	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY COST									STATUS	
<u>CODE</u> <u>P</u>	DDE PROJECT TITLE SCOPE (\$000)							START	CMPL	
			_				_			
411-135 UNDERGROU	ND FUEL ST	ORAGE TANK	S					JAN 93	AUG 94	
				TOTAL					<del></del>	
9a. Future Projec			Follo					996)	,	
179-511 FIRE TRAI	NING FACIL	YTY	_		EA					
318-614 SOLAR/ELE	CTRIC LABO	RATURIES		4,200						
610-249 ADD TO AN FACILITI		SE SUPPORT		39,700	SF	8,00	O			
721-312 ALTER UNA HSG	CCOMPANIE	ENLISTED		250	PN	4,00	0			
	D ALTER PH	YSICAL	1	6,330	SF	1,50	0			
FITNESS	CENTER			·		-				
740-884 CHILD DEV				23,000		•				
832-266 ADD TO SA			:	21,500		1,45	0			
871-183 ALTER STO	RM DRAINAC	E CHANNEL		3,100	LF _	1,40	0			
				TOTAL	<u> </u>	22,95	0			
9b. Future Projec			Next	Three	Year	s:				
171-212 FLIGHT SI	MULATION 1	RAINING		24,540		4,50	0			
211-159 AIRCRAFT FACILITY		CONTROL		24,000						
312-477 LABORATOR		PARK		4,200	SF	50	0			
PHASE II				, =			-			
800-000 ECIP					LS	1,00	0			
842-245 ADD TO AN	D ALTER BA	SE WATER			LS	8,80				
SYSTEM						-,-0	-			
10. Mission or Ma	jor Functi	ons: Phil	lips	abora	torv:	the	Air	Force	<del></del>	
Operational Test a	nd Evaluat	ion Center	an A	Air Edi	ucati	on an	 ል ጉ•	raining	,	
Command crew train	ing wing w	rith two fl	vine 1	raini	no ec	medro	ne (	MH-53	•	
TH-53, UH-1, and M										
Force Security Pol	ice Agency	: and an A	ir Net	ional	 G::==	d fin	hte-	. GTAN-	TI	
(F-16aircraft). M	ajor tenan	ts include	Nava	Ween	one F	value	mie!	. group	ite	
and Sandia Nationa	l Laborato	rv.		cap	5 L		U A UI.		,	
		- , -								

1. COMPONENT	1005	WT. 75	4.D.V. GO	NG 600 LLC	mrov. I	noan			2. DATE		
1	1995		ARY CO			ROGR	AM		·		
AIR FORCE			puter						<del></del>		
3. INSTALLATION AND LOCATION 4. COMMAND							5. ARI	EA CONST			
				AIR F	ORCE			ł	COS	ST INDEX	
KIRTLAND AIR FORCE BASE	E, NE	W MEX	[CO	MATER	IEL CO	MMAN	TD _		1.	. 02	
6. PERSONNEL	P	ERMANI	ENT	SI	UDENT!	3	SUI	PORT	red		
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENI	CIV	TOTAL	
a. As of					7						
b. End FY	- 1		}	i i		1 1	ı		1 1	ļ	
	<del></del>	INV	ENTORY	DATA	(sppp)	<del></del>					
a. Total Acreage:	<u>'</u>				74-00						
b. Inventory Total As (	nf ·										
c. Authorization Not Ye		Tovo									
			_								
d. Authorization Reques											
e. Authorization Include			_	_	am:						
f. Planned In Next Thre		ogram	Years	:							
g. Remaining Deficiency	y:									,	
h. Grand Total:											
11. Outstanding pollut	tion	and sa	afety	(OSH)	defici	ienci	es:				
a. Air pollution									(	)	
b. Water pollution: 7,050							)				
c. Occupational	safet	y and	healt	h:					(	3	
d. Other Environs	menta	1:							(	ງ	

1. COMPONENT 2. DATE

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

KIRTLAND AIR FORCE BASE, NEW MEXICO UNDERGROUND FUEL STORAGE TANKS

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

7.80.56 411-135 MHMV953020 3,200

9. COST ESTIMATES

	<del></del> -	1	UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	94		1,923
UNDERGROUND STORAGE TANKS	EA	11	49,000	( 539)
ABOVEGROUND STORAGE TANKS	EA	23	38,000	( 874)
TANK REMOVAL/DISPOSAL	EA	60	8,500	( 510)
SUPPORTING FACILITIES		į ,		820
UTILITIES	LS			( 40)
SITE IMPROVEMENTS	LS	1		( 80)
SOIL REMEDIATION	LS			( <u>700</u> )
SUBTOTAL				2,743
CONTINGENCY (10%)	1			274
TOTAL CONTRACT COST				3,017
SUPERVISION, INSPECTION AND OVERHEAD (6%)		[		<u> 181</u>
TOTAL REQUEST				3,198
TOTAL REQUEST (ROUNDED)				3,200
	- [			
	İ			
1	- 1			

10. Description of Proposed Construction: Remove 60 underground storage tanks; install 11 new underground tanks and 23 new aboveground tanks complete with leak detection, spill/overfill prevention, corrosion protection, soil remediation, site work, utilities and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Remove and install underground fuel storage tanks. (Current

Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. Environmentally safe storage tanks are required to comply with Environmental Protection Agency (EPA) regulations under Resource Conservation and Recovery Act (RCRA) Subtitle I (40 CFR, part 280) and comparable state regulations. All underground storage tanks must be upgraded or replaced by December 1998. These tanks are needed for operating storage of petroleum products and other environmentally controlled substances which are used in support of laboratories, shops, electric generators and gas stations.

CURRENT SITUATION: Most of the existing underground storage tanks do not meet the requirements of current regulations including leak detection, corrosion protection and spill/overfill protection. All of the regulated tanks require annual integrity (tightness) testing, daily fluid level monitoring and monthly reconciliation and control since they lack the proper continuous monitoring equipment and controls. If these tanks are not upgraded, the exposure to environmental liability will increase. The new underground storage tanks vary from 500 to 10,000 gallon capacity and new aboveground storage tanks vary from 500 to 33,000 gallon capacity. IMPACT IF NOT PROVIDED: The base will be out of compliance with EPA

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DA  AIR FORCE (computer generated)	TA 2. DATE
3. INSTALLATION AND LOCATION  KIRTLAND AIR FORCE BASE, NEW MEXICO	
4. PROJECT TITLE	5. PROJECT NUMBER
UNDERGROUND FUEL STORAGE TANKS	MHMV953020

regulations and, with the passage of time, the potential for groundwater contamination will increase. Non-compliance could result in fines of up to \$25,000 per day. Removal of tanks without replacement would seriously impact accomplishment of the base missions.

ADDITIONAL: There is no criteria/scope for this project in either Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

. COMPONE	TI	THE LOCK WILLIAM GOVERNMENT ON THE LOCK THE	2. DATE
AIR FORCE		FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
		N AND LOCATION	
		ORCE BASE, NEW MEXICO	
PROJECT	TIT	TLE 5. 1	PROJECT NUMBER
JNDERGROUN	D FU	EL STORAGE TANKS	MHMV953020
l2. SUFPL	.emen	TAL DATA:	
a. Esti	mate	ed Design Data:	
(1)	Sta	itus:	
		Date Design Started	93 JAN 20
		Parametric Cost Estimates used to develop cost	
		Percent Complete as of Jan 1994	35%
		Date 35% Designed.	93 OCT 15
	(e)	Date Design Complete	94 AUG 30
(2)	Bas	sis:	
	(a)	Standard or Definitive Design -	NO
	(b)	Where Design Was Most Recently Used -	N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	180
		All Other Design Costs	216
		Total	396
		Contract	
	(e)	In-house	396
(4)	Con	struction Start	94 DEC
o. Equipm	ent	associated with this project will be provided for	rom
		ations: N/A	

1. COMPONENT	1005 WILL	TADV CO					2	. DAT	'E	
AIR FORCE	1995 MILI (co	mputer §			PROGE	CAM				
3. INSTALLATION AND L				MMAND			5	. ARE	A CONST	
								COST INDEX		
POPE AIR FORCE BASE,				OMBAT				0.80		
6. PERSONNEL	PERMA			UDENT:		SUPP			-	
STRENGTH	OFF ENL		OFF				ENL			
a. As of 30 SEP 93	672 401		3 I			9	157		, ,	
b. End FY 1999	534 374			(0000		11	113	23	4,805	
7. INVENTORY DATA (\$000) a. Total Acreage: ( 1,913)										
b. Inventory Total As Of: (30 SEP 93)										
c. Authorization Not							•	30,380		
d. Authorization Requested In This Program:								6,60		
e. Authorization Incl				am:	(FY	1996)		8,73		
f. Planned In Next Th					•			2,15		
g. Remaining Deficien	-							86,80	ì	
h. Grand Total:								43,04	,	
8. PROJECTS REQUESTED	IN THIS P	ROGRAM:	FY 1	995						
CATEGORY						COST			STATUS	
CODE PROJ	ECT TITLE		2	COPE		<u>(\$000)</u>	<u> </u>	TART	CMPL	
136-661 AIRCRAFT PAR	KING APRON	Ī			LS	1,500	JU	JL 93	JUN 94	
179-511 FIRE TRAININ	וב האכזו דיי	,		1	EA	1,100	. 111	IN 93	AUG 94	
851-142 BRIDGE, ROAD				•	LS	1,100		IN 93		
osi zve skisos, kons	100 01101			TOTAL		2,600	-	,,,,	302 34	
9a. Future Projects:	Included	in the	Follo					(6)		
141-753 SQUADRON OPE				33,600						
721-312 CONSTRUCT DO				165	PN	3,200	1			
871-183 STORM DRAINA	GE FACILIT	CIES			LS	530				
	<del></del>			TOTAL		8,730	<u> </u>			
9b. Future Projects:										
411-135 UNDERGROUND 10. Mission or Major					EA					
10. Mission or Major squadron, one A/OA-10							rude	es one	F-16	
11. Outstanding poll										
dustanding poin	deron and	Salety	(0311)	delic	renc.	162.				
a. Air pollutio	n:							1,500	, [	
b. Water pollut								3,500		
c. Occupational		d healt!	h:					3,300		
d. Other Enviro								1,500	·	
								,		
									1	
									}	
									1	

1. COMPONENT			<del>,,,</del>						2.	DATE
	F	( 1995 MILITARY CO	ONSTRUCT	1017	PRO	<b>DJECT</b>	DATA	١.		,
AIR FORCE		(compute	er genei	_						
3. INSTALLATI	ON ANI	LOCATION				JECT :				:
						FT PAI	RKING	APRO	N	
		, NORTH CAROLINA			CHTII					
5. PROGRAM EI	5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJE						8. P	ROJEC	CT (	COST(\$000)
2.75.96C		136-661	TMKI	1931	3625					1,500
2.73.300			r ESTIM							*1244
					)		Ī	UNI		COST
		ITEM			א/ט	QUAN'	TITY	COST	Γ	(\$000)
AIRCRAFT PARK	CING A	RON LIGHTING			LS					1,220
SUPPORTING FA	CILIT	IES						ı		140
UTILITIES					LS	1				( 100)
SITE IMPROV	EMENTS	3			LS	Ĭ				( 25)
PAVEMENTS					LS	ì				(15)
SUBTOTAL					1					1,360
CONTINGENCY	(5%)				ļ	ł				<u>68</u>
TOTAL CONTRAC	CT COS	Γ				l	- (			1,428
SUPERVISION,	INSPE	CTION AND OVERHEAD	0 (6%)			İ				86
TOTAL REQUEST	1					1	Ì			1,514
TOTAL REQUEST	r (ROU	NDED)		İ		1	}			1,500
·						{	1			
				İ	l	l				
						[	l			
				'	]		1			
					1	1	1			
						1				1
					l	ĺ	Į			Į

10. Description of Proposed Construction: Construct reinforced concrete foundations and install high pressure sodium floodlights and light standards. Connect wiring to power source and switchgear as necessary. Perform site work and provide required appurtenances.

11. REQUIREMENT: As required.

PROJECT: Install aircraft parking apron lighting. (New Mission)
REQUIREMENT: Pope AFB supports the Air Force's air-land battlefield
composite wing comprised of C-130, A-10, and F-16 aircraft. Adequate
lighting is required to provide a safe and secure environment to support
the wing's night operation. Adequate lighting levels are required to
safely perform night movements of aircraft, vehicles, and weapons.
Lighting is also needed to improve security surveillance capability of the
parking apron, aircraft and equipment.

CURRENT SITUATION: The beddown of composite wing aircraft has dramatically changed parking apron operations. Lighting levels were considered adequate when the only aircraft operating on the apron were C-130s which are slow moving and not armed. The flightline parking apron, which now accommodates composite wing fighter aircraft, does not have adequate lighting to support safe, secure night operations. Night apron operations, which include aircraft towing and taxing, weapons movement and loading, and security police surveillance, are impeded due to the lack of adequate apron lighting. Apron operations are more dangerous now with the mix of aircraft and the addition of munitions. Visibility for pilots taxing their aircraft is extremely low which creates a hazardous environment for aircrews and ground personnel. The risk of costly damage to aircraft is high. Additionally, security requirements are greatly increased with the increased movement and handling of munitions on the

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION

POPE AIR FORCE BASE. NORTH CAROLINA

4. PROJECT TITLE

5. PROJECT NUMBER

AIRCRAFT PARKING APRON LIGHTING

TMKH933625

apron. Security is difficult to maintain with the current low lighting levels hindering night visibility.

IMPACT IF NOT PROVIDED: Flightline personnel cannot adequately and safely perform security checks, general aircraft maintenance, weapons movement and loading, and aircraft towing and taxiing at night. The potential for personnel sustaining injury, aircraft and vehicle accidents, and security compromises will continue.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		1	2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DA	.TA	
AIR FORCE	(computer generated) ON AND LOCATION	<u>_</u> _	
J. INSTALLATI	ON AND LOCATION		
POPE AIR FORC	E BASE, NORTH CAROLINA		
4. PROJECT TI	TLE	5. PRO	JECT NUMBER
AIRCRAFT PARK	ING APRON LIGHTING	TMKI	H933625
12. SUPPLEME	NTAL DATA:		
a. Estimat	ed Design Data:		
(1) St	atus:		
,-,	Date Design Started		93 JUL 15
(ъ)	Parametric Cost Estimates used to develop	costs	Y
(c)	Percent Complete as of Jan 1994		60%
	Date 35% Designed.		93 SEP 16
(e)	Date Design Complete		94 JUN 15
(2) Ba	sis:		
(a)	Standard or Definitive Design -		NO
(ъ)	Where Design Was Most Recently Used -		N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a)	Production of Plans and Specifications		83
	All Other Design Costs		42
	Total		125
(b)	Contract		83
(e)	In-house		42
(4) Co	nstruction Start		94 DEC
b. Equipment	associated with this project will be provid	ed from	
	iations: N/A	ed IIOM	
	• • •		

1. COMPONENT			_			i i	. DATE		
<b>{</b>	FY	1995 MILITARY CO		_	DJECT DAT	A			
AIR FORCE									
3. INSTALLATIO	n ani	LOCATION	4	. PRO	JECT TITL	E			
	D'ALLE CONTRACTOR NORME GAROLTINA								
POPE AIR FORCE	BASE	NORTH CAROLINA		RAINING F					
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROJE	CT NU	ABER   8.	PROJECT	COST(\$000)		
2.74.56C		179-511	TMKH9				1,100		
		9. 603	I ESIIFMI.	1	<u></u>	UNIT	COST		
		ITEM		IIA	QUANTITY		(\$000)		
FIRE TRAINING	FACTI		<del>,</del>	LS	QUANTILL		753		
SUPPORTING FAC					1		190		
UTILITIES	TPTT	100		LS	{	1	( 45)		
PAVEMENTS				LS		1	( 100)		
SITE IMPROVE	MENT	2		LS	ł	}	( 45)		
SUBTOTAL	LIDIA 1 .	•			l		943		
CONTINGENCY (1	02)			1	l	1	94		
TOTAL CONTRACT COST						1	1,037		
		TION AND OVERHEA	D (6%)	- }	}	1	62		
TOTAL REQUEST			••				1,099		
TOTAL REQUEST	(ROU	NDED)		1			1,100		

10. Description of Proposed Construction: Construct a fire training facility to include: a 100 foot diameter environmentally acceptable fire training area with a large frame aircraft simulator, a liquid propane gas (LPG) tank of a 1000 gallon water capacity equivalency, a 500 gallon JP-4 fuel storage tank, a fuel/water separator, and a lined effluent holding pond with pumps and piping systems.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA

PROJECT: Construct a fire training facility. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA)

requirements (40 CFR 122). A fire training facility is needed which meets all applicable CWA, Clean Air Act and Resource Conservation and Recovery Act requirements. An impermeable liner must be installed below the burn area. A fuel/water separator and nondischarging effluent holding pond are required to prevent contamination of soil and groundwater. Live fire training is an FAA established quarterly training requirement ensuring the fire fighters maintain a high level of proficiency. Air Force policy directs every major Air Force installation to have a fire training facility which meets fire training requirements and complies with all applicable environmental requirements.

CURRENT SITUATION: The existing fire training site does not meet the CWA requirements and was closed in 1989. This site is being cleaned up through the environmental Installation Restoration Program (IRP). Training is currently being accomplished in cooperation with the local fire department, which owns portable propane type fire training equipment. The training is not as intense or realistic as a fire training facility and is dependent on their schedule. Additionally, limited manning does

1. COMPONENT	FY 1995	MILITARY	CONSTRUCTION	PROJECT D	ATA	2. DA	ATE
AIR FORCE			ter generate			1	
3. INSTALLAT	ON AND LOCAT	ION					
POPE AIR FORCE	<u>E BASE, NORT</u>	<u>H CAROLIN</u>	<u>A</u>				
4. PROJECT T	TLE				5. PR	OJECT	NUMBER
					j		
FIRE TRAINING	FACILITY				TM	KH9630	007

not allow TDY to train at other bases while simultaneously providing sufficient crash/rescue coverage of the airfield. The use of the existing training facility was discontinued due to noncompliance with regulations. The existing facility includes an aircraft mock-up pit which is a shallow, gravel-covered, earthen pit without a protective liner. Pollutants have the potential to be released to the surrounding soil and ground water. <a href="IMPACT IF NOT PROVIDED">IMPACT IF NOT PROVIDED</a>: Previous environmental regulation requirements have forced the closure of this facility. This reduced the quality of required fire training for the assigned fire fighters. Without the stress and realism only possible with live fires, the fire fighters lose proficiency in combating fires. Potential for loss of aircraft and life is significantly increased.

ADDITIONAL: There is no criteria/scope for this project in part II of Military Handbook 1190, "Facility Planning and Design Guide".

Page No

1. COMPONENT	1	2. DATE
1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DA	
AIR FORCE	(computer generated)	•••
	ION AND LOCATION	
J. 110110011		
	CE BASE, NORTH CAROLINA	
4. PROJECT T	TTLE	5. PROJECT NUMBER
		ma
FIRE TRAININ	G FACILITY	TMKH963007
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
•-•	tatus:	
	) Date Design Started	93 JUN 10
	) Parametric Cost Estimates used to develop	
	Percent Complete as of Jan 1994	35%
	Date 35% Designed.	93 JUL 29
( e	Date Design Complete	94 AUG 15
(2) B	asis:	
(a	) Standard or Definitive Design -	YES
(t	) Where Design Was Most Recently Used -	SEYMOUR
(3) 1	$Cotal\ Cost\ (c) = (a) + (b)\ or\ (d) + (e)$ :	(\$000)
(а	) Production of Plans and Specifications	56
(b	) All Other Design Costs	33
	) Total	89
	) Contract	
(e	) In-house	89
(4) C	onstruction Start	95 JAN
i L		
	t associated with this project will be provideriations: N/A	ed from
orner approp	LIGLIONS. N/A	
		,

1. COMPONENT							12	2. DATE	
	F١	7 1995 MILITARY CO	ONSTRUCT	ION PRO	DJECT	DATA	<b>\</b>		
AIR FORCE		(compute	er gener	ated)					
3. INSTALLATIO	. INSTALLATION AND LOCATION 4						3		
POPE AIR FORCE BASE, NORTH CAROLINA   BRIDGE, ROAD AND UTILITIES  5. PROGRAM ELEMENT   6. CATEGORY CODE   7. PROJECT NUMBER   8. PROJECT COST(\$000)									
5. PROGRAM ELE	ECT NU	MBER	8. F	PROJEC:	T COST(\$000				
4.11.15 851-142 TMKH93								4 000	
4.11.15	1933624		<b>!</b>		4,000				
		9. 005	T ESTIMA	1152	1		UNIT	COST	
		ITEM		11.04	QUAN	עיד זיז			
BRIDGE, ROAD	ND III			LS	QUAL	****	0031	3,580	
SUBTOTAL	MD U	11611163		123	ĺ			3,580	
CONTINGENCY (	52)			Ì	Ì			179	
TOTAL CONTRACT		r		- }	1			3,759	
SUPERVISION.	INSPE	CTION AND OVERHEAD	D (6.5%)	,				244	
TOTAL REQUEST								4,003	
TOTAL REQUEST	(ROU	NDED)		ŀ				4,000	
•				1					
				- 1	1			1	
								l.	
				1				Ì	
				l					
				ļ	ļ				

10. Description of Proposed Construction: Construct a reinforced concrete bridge over the Little River, an asphalt access road from the base to the munitions storage area and provide utilities to the site. Utility work will consist of extending water and electric lines and providing sanitary sewage service to the site.

REQUIREMENT: As required.

<u>PROJECT</u>: Construct bridge, road and utility service to a new munitions storage area. (New Mission)

<u>REQUIREMENT</u>: A new munitions storage area will be constructed to support the new composite wing at Pope Air Force Base. The area must be serviced with utilities and have adequate access from the base to accommodate the movement of weapons between the munitions storage area and the aircraft parking apron.

CURRENT SITUATION: Land has recently been provided by the Army for the construction of a munitions storage area for the new composite wing assigned to Pope AFB. The land is located over one mile from the base boundary on the other side of the Little River. This is the only site available which will accommodate the quantity distance (QD) requirements of the munitions storage area. Without meeting these QD requirements, a site cannot be licensed by the DOD Explosives Safety Board. Current access to the site is by a state road connecting to a gravel road with a low-water bridge. Traffic on the state road is heavy and the speed limit is 45 mph. The Army road is only semi-improved with gravel and congested with Army vehicles during their exercises. A new access road must be provided for the safe movement of weapons to support the new composite wing.

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	TA 2. DATE
3. INSTALLATION AND LOCATION  POPE AIR FORCE BASE, NORTH CAROLINA	
	5. PROJECT NUMBER TMKH933624

storage area to the aircraft parking apron without jeopardizing the security of the weapons or the safety of the individuals using the state or Army roads. Mission accomplishment may be delayed due to the lack of adequate routes and the requirements to ensure security and safety for movement of weapons off base.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

. COMPONE		2. DATE
IR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	•
	ATION AND LOCATION	
ODE 410 1	ODCE BACE MODTU CADOLINA	
. PROJECT	ORCE BASE, NORTH CAROLINA	. PROJECT NUMBER
RIDGE, RO	AD AND UTILITIES	TMKH933624
2. SUPPI	EMENTAL DATA:	
a. Est	mated Design Data:	
(1)	Status:	
	(a) Date Design Started	93 პილ 06
	(b) Parametric Cost Estimates used to develop co	
	(c) Percent Complete as of Jan 1994	45%
	(d) Date 35% Designed.	93 SEP 16
	(e) Date Design Complete	94 JUL 13
(2)	Basis:	
	<ul><li>(a) Standard or Definitive Design -</li><li>(b) Where Design Was Most Recently Used -</li></ul>	NO N/A
	·	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	220
	(b) All Other Design Costs	154
	(c) Total (d) Contract	374
	(e) In-house	263 111
(4)	Construction Start	
(4)	Construction Start	95 JAN
. Equip	ent associated with this project will be provided	i from
ther app	opriations: N/A	
	······································	

. COMPONENT	FY 1995 MILITARY CO	NSTRUCTION P	ROGRAM	2. DAT	E
AIR FORCE	(computer				
. INSTALLATION AND		4. COMMAND		5. ARE	A CONST
GRAND FORKS AIR FOR		AIR MOBILIT	Y		T INDEX
DAKOTA		COMMAND	_		98
. PERSONNEL	PERMANENT	STUDENTS	SUP	PORTED	
STRENGTH	OFF ENL CIV		CIV OFF	ENL CIV	TOTAL
a. As of 30 SEP 93	680 4154 471			0.12	5,30
. End FY 1999	661 3700 464		1	2 4	4,83
<u>,. m. 11 1777</u>	7. INVENTORY				4,00
. Total Acreage:		2 (0000)			<del></del>
. Inventory Total	•			322,92	Q
. Authorization No				10,90	
1. Authorization Rec		oram:		5,20	
. Authorization Rec			FY 1996)	38,70	
E. Planned In Next			F1 1990)		
		•		26,40	_
g. Remaining Deficion	ency.			404 10	0
n. Grand Total: B. PROJECTS REQUEST	ED IN THIS BROCKAN.	FY 1995		404,12	7
•	ED IN THIS PROGRAM:	L1 1993	COGE	DEG 1 CV	C T A MITC
CATEGORY	TIPAM MYMIN	00000	COST		
<u>CODE</u> <u>PRO</u>	DJECT TITLE	SCOPE	<u>(\$000</u>	) START	CMPL
411-134 UNDERGROUN MISSILE FA	D FUEL STORAGE TANK ACILITIES	S 119	EA 5,20	0 MAY 93	SEP 94
		TOTAL:	5,20	<u> </u>	
a. Future Project	s: Included in the				<del>"</del>
111-111 UPGRADE RUI			LS 5,00		
21-122 HYDRANT FU	ELING SYSTEM	11	•		
41-753 SQUADRON O		40,860			
S10-128 SUPPORT OP		80,021			
721-312 DORMITORY		260	•		
		TOTAL:			
b. Future Project	s: Typical Planned			<u> </u>	
113-321 UPGRADE AI			LS 6,40	n	
	PERATIONS FACILITY	40,860	•		
90-000 PROCUREMEN		8,500	•		
721-312 ALTER DORM		253			
	WASTEWATER		LS 5,00		
	FACILITIES		ra 2,00	U	
		in refueling	visa (VC	-125 -:	
an Air Combat Comman	or Functions: An a	il reruering	wing (KC	-133 alrei	art);
ring with three Min	a) normanye dinod bi	-1 aircrait/	, an Arsy	ACECUM mis	s11e
ving with three Min	teman intercontine	ncai pallist	ic squadr	ons which	
maintain continuous 1. Outstanding po					
Outstanding po.	llution and safety	(USH) defici	encies:		
a Aim mallus	i				
a. Air pollut:				0	
b. Water polls		•		Ç	
c. Occupation	al safety and healt	h:		C	
d. Other Envi	ronmental:			C	)

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION

4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS

GRAND FORKS AIR FORCE BASE, NORTH DAKOTA MISSILE FACILITIES

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

2.74.56C 411-134 JFSD932500 5,200

9. COST ESTIMATE	S			
		O	UNIT	COST
I TEM	U/M	QUANTITY	COST	(\$000)
UNDERGROUND FUEL STORAGE TANKS MISSILE	ĺ			
FACILITIES	EA	119		2,472
UNDERGROUND STORAGE TANKS	EA	55	33,760	(1,857)
UPGRADE UNDERGROUND STORAGE TANKS	EA	) 9	19,440	( 175)
TANK REMOVAL/DISPOSAL	EA	55	8,000	( 440)
SUPPORTING FACILITIES	1	l		1,985
UTILITIES	LS	{		( 65)
SITE IMPROVEMENTS	LS			( 320)
SOIL REMEDIATION	LS	1		(1,560)
TEMPORARY FUEL/POWER	LS	]		( <u>40</u> )
SUBTOTAL	1			4,457
CONTINGENCY (102)				446
TOTAL CONTRACT COST	1	1		4,903
SUPERVISION, INSPECTION AND OVERHEAD (6%)	1			294
TOTAL REQUEST	Ì	]		5,197
TOTAL REQUEST (ROUNDED)		l i		5,200
	1			·

10. Description of Proposed Construction: Remove and replace 55 underground storage tanks (UST) with 55 new USTs, one at each launch facility. Dispose of tank residue and remediate soil at each site. Replace tanks with new double-walled tanks and piping, interstitial leak monitoring, overflow prevention, and cathodic protection. Upgrade nine launch control facility USTs (3 USTs at 3 sites) to meet same requirement.

11. REQUIREMENT: As required.

<u>PROJECT</u>: Remove and replace or upgrade underground fuel storage tanks at missile facilities. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. Upgrade all underground storage tanks (UST) regulated by 40 CFR 280 to new standards by December 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overfill prevention systems. If underground storage tanks are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards.

CURRENT SITUATION: Underground storage tanks at Grand Forks AFB missile facilities do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overfill/spill protection. These deficiencies must be corrected to prevent violation of federal UST regulations. Currently, 116 deeply buried USTs at missile launch facilities and missile launch control facilities require upgrade or replacement to meet the 1998 federal deadline. This project is the second

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

GRAND FORKS AIR FORCE BASE, NORTH DAKOTA

4. PROJECT TITLE

5. PROJECT NUMBER

UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES

JFSD932500

of three projects. It will replace 55 USTs, 11,000 gallon capacity each, at 55 LFs, and upgrade 9 USTs, ranging from 1,000 to 14,500 gallon capacity, with 3 tanks at each of 3 LCFs.

IMPACT IF NOT PROVIDED: These improvements to USTs are required by Federal Law. If they are not accomplished by the established deadline, the base will be in violation of the law and may begin receiving notices of violation, fines, and significant adverse publicity. Undetected tank failures may result in contamination of soil and potable water supplies, resulting in a threat to human health and well-being and extremely costly cleanup measures.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.

	2. DATE
ARY CONSTRUCTION PROJECT	AT/
omputer generated)	
NOTE NAVOTA	
RTH DAKOTA	5. PROJECT NUMBE
	J. PROJECT NUMBE
MISSILE FACILITIES	JFSD932500
irted	93 MAY 0
Estimates used to develo	costs
e as of Jan 1994	20
ied.	94 JAN 1
nplete	94 SEP 0
initive Design -	NO
s Most Recently Used -	N/A
a) + (b) or (d) + (e):	(\$00
lans and Specifications	13
n Costs	8
•	22
•	16
	5
	95 JA
this project will be pro	

1. COMPONENT	my 1006 1477 77.55			noa-		2. DAT	E
ATD PODCE	FY 1995 MILITARY (			KUGRA	AM.		
AIR FORCE	(compute:		MMAND			SADE	A CONST
J. INSTALLA	ON AND LOCATION	4. 0	JELLAND				T INDEX
MINOT AIR FOR	RCE BASE, NORTH DAKOTA	ATR	COMBAT (	COMM	AND	1	10
6. PERSONNEL	PERMANENT		TUDENTS			ORTED	
STRENGTH	OFF ENL   CIV			CIV		ENL CIV	TOTAL
a. As of 30 S	<del></del>	78	22				5,638
b. End FY 199	1 1	15				1 2	5,207
	7. INVENTO	RY DATA	(\$000)				
a. Total Acre	eage: ( 5,385)						
	Total As Of: (30 SEP 93					297,39	
c. Authorizat	tion Not Yet In Inventory	<b>7</b> :				16,20	
	tion Requested In This P					5,85	
	tion Included In Followin		ram: ()	FY 1	996)	2,90	
	n Next Three Program Year	rs:				40,50	0
g. Remaining							0
h. Grand Tota						362,84	5
	REQUESTED IN THIS PROGRAM	1: FY	1995		202m		0
CATEGORY		,	2000		COST	DESIGN	
CODE	PROJECT TITLE		SCOPE		<u>(\$000)</u>	START	CMPL
/11-13/ INDI	ERGROUND FUEL STORAGE TAI	TVC	78	E A	2 050	JAN 93	MAV 02
	SSILE FACILITIES	11/2	70	E.A	2,930	JAN 33	MAI 93
	ERGROUND FUEL STORAGE TAI	W.C	<b>53</b> 1	E A	1 400	JUN 93	MAD OA
	RADE STORM DRAINAGE	NA S		LS		MAY 93	
	CILITIES		•	LO	1,500	mai 73	JUN 34
	,		TOTAL:	-	5,850		
9a. Future I	Projects: Included in the	ne Foll				1996)	
	ERGROUND FUEL STORAGE TAI		30		2,900		
- 1	MISSILE FACILITIES						
			TOTAL:		2,900		
	Projects: Typical Planne	ed Next	Three '				
	RADE TAXIWAY (PH 2)				10,000		
	RADE AIRCRAFT PARKING API			LS	3,800		
	RADE HYDRANT FUELING SYS:	rem			15,700		
	LACE UNDERGROUND STORAGE			LS	1,200		
	NKSMISSILE FACILITIES	5.0					
	ERGROUND FUEL STORAGE TAI		15_		1,350		
10. Mission	or Major Functions: A	omb wi	ng which	h in	cludes	one B-52	_
squadron; an	AFSPACECOM missile wing	WIED E	nree Mi	nute	man in	tercontin	ental
Dailistic mis	ssile squadrons which man	intain .	a conti	nuou	s aler	t posture	and
(KC-135 airci	ters; and an Air Mobility	Comma	nd air	reru	ering	squadron	
	ding pollution and safety	· (OGH)	dofici	i			<del>- ,- ,- ,-</del>
Outstand	ing horiacion and safet	, (OSE)	derici	enc1	es:		
a. Air	pollution:					1 500	
	er pollution:					1,500 6,500	
	upational safety and heal	lth:				0,500	
	er Environmental:	•				3,400	
						3,700	

1. COMPONENT										2.	DATE
	FY 1995 MILITARY CONSTRUCTION						DJECT	DATA	\		
AIR FORCE (computer generated)											
3. INSTALLATI						PRO.	JECT :	ri tle	3		
					UND	ERGI	ROUND	FUEI	STOP	RAGE	TANKS
MINOT AIR FOR	RCE BAS	SE, NOR	TH DAKOTA				E FAC				· · · · · · · · · · · · · · · · · · ·
5. PROGRAM EL	LEMENT	6. CAT	EGORY CODE	7. PRO	JECT	וטא	MBER	8. E	PROJEC	CTC	OST(\$000)
2.74.56C		41	1-134		F932		<u> </u>	L			2,950
			9. COS	C ESTIM	ATES		<del></del>		10170		
		T 67774		*		11 0/	077437	n v ma.	UNIT	- I	COST
In the second se		ITEM	TANKO VICO			U/M	QUAN'	IIIY	COST		(\$000)
UNDERGROUND F FACILITIES	OEL S	LUKAGE	IANKS MISS	l PE	1	EA		78			1,580
UNDERGROUNI	CTOD	ACE TAN	v e		- 1	ea Ea	ļ	39	32,5	510	
TANK REMOVA			N.S		- 1	EA		39		000	
SUPPORTING FA	-				Ì	****	1	3,	, ,,,		945
UTILITIES					1	LS			İ	- {	( 10
SITE IMPROV	VEMENT:	3			ĺ	LS	ļ				( 155)
SOIL REMEDI	IATION				l	LS	l				( 760)
TEMPORARY I	FUEL/P	OWER			1	LS	]		j		(20)
SUBTOTAL					1		1				2,525
CONTINGENCY (	(10%)				ļ			1	ĺ		<u>253</u>
TOTAL CONTRACT COST				j		[	İ			2,778	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				]		1				<u> 167</u>	
TOTAL REQUEST					1		)	İ	1		2,945
TOTAL REQUEST	r (ROU	NDED)			-			i			2,950
							ł	;			
					Ì						

Description of Proposed Construction: Remove and replace 39 underground storage tanks (UST) with 39 new USTs. Dispose of tank residue and test soil at each site. Replace tanks with new double-walled tanks and piping, interstitial leak monitoring, spill/overfill prevention, and cathodic protection. Includes soil remediation, tank testing, site work. utilities and other necessary support.

REQUIREMENT: As required.

PROJECT: Remove and replace underground fuel storage tanks at missile facilities. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance project. Upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overfill prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards. CURRENT SITUATION: Underground storage tanks at Minot AFB missile facilities do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overfill/spill protection. These deficiencies must be corrected to prevent violation of federal UST regulations. Currently, 180 deeply buried USTs at missile launch and launch control facilities require upgrade or replacement to meet the 1998 federal deadline. This project is the second of four projects; it will replace 39 USTs, 14,300 gallon capacity each, at 39

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT  AIR FORCE (computer generated)	DATA 2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	
4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES	5. PROJECT NUMBER QJVF932500A

launch facilities.

IMPACT IF NOT PROVIDED: Failure to replace these tanks at Minot AFB will result in an unacceptable risk of pollution. Additionally, Minot AFB will not be in compliance with federal and state environmental requirements thereby subjecting the base to enforcement action and monetary penalties. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.

	ENT	FY 1995 MILITARY CONSTRUCTION PROJECT	DATA 2. DATE
IR FORCE		(computer generated)	
. INSTAL	LATÍC	ON AND LOCATION	
		CE BASE, NORTH DAKOTA	
. PROJEC	T TII	TLE .	5. PROJECT NUMBER
	DI	THE AMORAGE MANNA WIGHTER SAGILIMIES	
NDEKCKUU	ND FL	JEL STORAGE TANKS MISSILE FACILITIES	QJVF932500A
2. SUPP	I.PMPN	STAL DATA:	
		V-1000 01-01-1	
a. Est	imate	ed Design Data:	
(1)	Sta	itus:	
	(a)	Date Design Started	93 JAN 15
		Parametric Cost Estimates used to develo	p costs N
		Percent Complete as of Jan 1994	1002
		Date 35% Designed.	93 MAR 10
	(e)	Date Design Complete	93 MAY 18
(2)	Bas	•••	
(2)		sis: Standard or Definitive Design -	NO
		Where Design Was Most Recently Used -	N/A
	(0)	more seeren was more recently used	n/A
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	100
	(b)	All Other Design Costs	80
		•	
	(c)	Total	180
	(d)	Contract	180 168
	(d)		
(4)	(c) (d) (e)	Contract In-house	180 168 12
(4)	(c) (d) (e)	Contract	180 168 12
(4)	(c) (d) (e)	Contract In-house	180 168
	(c) (d) (e)	Contract In-house Astruction Start	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house Astruction Start	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR
. Equip	(c) (d) (e) Con	Contract In-house astruction Start associated with this project will be provi	180 168 12 95 MAR

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

(computer generated)

2. DATE

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

1 400

MINOT AIR FORCE BASE, NORTH DAKOTA UNDERGROUND FUEL STORAGE TANKS

5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST(\$000)

2.74.56C 411-135 QJVF932501

2.74.306	411-13)	<b>MALA35701</b>			1,40	<u> </u>					
	9. COST ESTIMATES										
				UNIT	CO	ST					
	ITEM	U/M	QUANTITY	COST	(\$0	00)					
UNDERGROUND FUEL S	STORAGE TANKS	EA	53			747					
ABOVEGROUND STOR	RAGE TANKS	EA	11	16,000	(	176)					
UNDERGROUND STOP	RAGE TANKS	EA	8	42,000		336)					
UPGRADE UNDERGRO	OUND STORAGE TANKS	EA	13	10,000	(	130)					
TANK REMOVE/DISI	POSAL	EA	21	5,000	(	105)					
SUPPORTING FACILI	TIES	İ			j	450					
UTILITIES		LS			(	15)					
SITE IMPROVEMENT	rs	LS			(	35)					
SOIL REMEDIATION	N	LS			(_	400)					
SUBTOTAL		1			$\overline{1}$	,197					
CONTINGENCY (10%)		1	1		i _	120					
TOTAL CONTRACT COS	ST	1	İ		1	,317					
SUPERVISION, INSPI	ECTION AND OVERHEAD (	(2)	}			79					
TOTAL REQUEST					1	, 396					
TOTAL REQUEST (ROI	UNDED)	į.				,400					
TOTAL REQUEST (RO	UNDED)		į		1	, 40					
			! (								

10. Description of Proposed Construction: Remove 21 underground storage tanks (UST), install 11 new aboveground tanks with containment dikes, 8 new underground tanks and upgrade 13 existing USTs. Replace tanks with new double-walled tanks and piping, interstitial leak monitoring, spill/overfill prevention, and cathodic protection. Includes soil remediation, tank testing, site work, utilities and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Remove and replace or upgrade underground fuel storage tanks.

(Current Mission)

REQUIREMENT: This is a Level II environmental compliance project.
Upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overfill prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards.
CURRENT SITUATION: Underground storage tanks at Minot AFB do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overfill/spill protection.
Replacement of tanks, ranging from 300 to 50,000 gallons, and upgrade of tanks, ranging from 1,000 to 39,800 gallons, are required to assure

IMPACT IF NOT PROVIDED: Failure to replace these tanks at Minot AFB will result in an unacceptable risk of pollution. Additionally, Minot AFB will

environmental compliance.

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	TA 2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	•
4. PROJECT TITLE	5. PROJECT NUMBER
UNDERGROUND FUEL STORAGE TANKS	QJVF932501

not be in compliance with federal and state environmental requirements thereby subjecting the base to enforcement action and monetary penalties. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements".

Page No

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	'A
AIR FORCE	(computer generated)	
3. INSTALLAT	ON AND LOCATION	
MINOT AIR FO	RCE BASE, NORTH DAKOTA	
4. PROJECT T		5. PROJECT NUMBER
UNDERGROUND	FUEL STORAGE TANKS	QJVF932501
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) S	tatus:	
	Date Design Started	93 JUN 11
	Parametric Cost Estimates used to develop o	
	Percent Complete as of Jan 1994	35%
	Date 35% Designed.	93 NOV 02
(е	) Date Design Complete	94 MAR 10
(2) B	asis:	
(a	) Standard or Definitive Design -	NO
(Ъ	) Where Design Was Most Recently Used -	N/A
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a	Production of Plans and Specifications	84
	All Other Design Costs	88
	) Total	172
•	Contract	129
(e	) In-house	43
(4) C	onstruction Start	95 FEB
		,, rub
b. Equipment	t appointed with this amainst will be asserted	
other appropr	t associated with this project will be provide riations: N/A	d irom
orner appropr	. · · · · · · · · · · · · · · · · · · ·	

. COMPONENT									2.	DATE
1	FY	7 1995 MILITARY C				DJECT	DATA	۱ ا		
AIR FORCE			er gene							
. INSTALLATI	ON ANI	LOCATION		1		JECT T		-		
						E STOR	M DR	CAINAC	ΞE	
		E, NORTH DAKOTA				<u>ries</u>		=====		
. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PRO	JEC1	. MUI	MBER	8. F	ROJEC	CT (	COST(\$000
2 74 540		871-183	0.17	<del>2</del> 003	2500	-				1,500
2.74.56C			T ESTIM							1,500
· · · · · · · · · · · · · · · · · · ·		7. 000	· mustin			-	1	UNIT	r	COST
		ITEM			U/M	QUANT	TTY		_	(\$000)
IPGRADE STORM	DRAIL	NAGE FACILITIES			LS					400
SUPPORTING FA							- 1			950
REPAIR/REPL	ACE ST	TORM DRAINAGE LIN	ES		LS					( 500
CORRECT CRO	SS-COI	NNECTIONS			LS					(450
SUBTOTAL						1				1,350
CONTINGENCY (	5%)									68
TOTAL CONTRAC			4			Į.	- {			1,418
		CTION AND OVERHEA	D (6%)			{				85
TOTAL REQUEST							į			1,503
TOTAL REQUEST	(ROUI	NDED)				}				1,500
						]	1			]
					}	1				
						}				
				į						
						[				
										ĺ

10. Description of Proposed Construction: Provide treatment of storm water runoff by correction of cross-connections, connection of non-storm water discharges to the sanitary sewer, repair of broken or misaligned storm drainage lines, and construction of storm water diversion structures.

11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage facilities. (Current Mission)
REQUIREMENT: This is a Level II environmental compliance requirement.
This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit was issued on 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Eliminate System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are required to eliminate sources of pollutants to the storm drain.

<u>CURRENT SITUATION</u>: The base does not provide storm water runoff control measures from the industrial areas of the base. There are existing cross-connections which are not allowed by the storm water NPDES permit. Some non-storm water discharges (process and sanitary wastewater) are connected to or seep into the storm drainage system which is not allowed by the NPDES permit.

IMPACT IF NOT PROVIDED: Minot AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However

1. COMPONEN	FY 1995 MILITARY CONSTRUCTION PROJECT	2. DATE	
AIR FORCE	(computer generated) TION AND LOCATION		_
4. PROJECT	ORCE BASE, NORTH DAKOTA TITLE	5. PROJECT NUMB	ER
· [			
UPGRADE STO	RM DRAINAGE FACILITIES	QJVF992500	$\rightarrow$
this project	t does meet the criteria/scope specified in dard Facility Requirements".	n Air Force Manual	
, 500	- ara ractite, nequirements .		
			1
			l
)			
{			
Į.			
}			
<u> </u>			
}			
			Ì

. COMPONE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
	ATION AND LOCATION	<del></del>
	FORCE BASE, NORTH DAKOTA	
. PROJECT	TITLE 5.	PROJECT NUMBER
PCRADE ST	DRM DRAINAGE FACILITIES	QJVF992500
· Old DD D1	7d1 5l011M105 1101511105	4011772300
2. SUPPL	EMENTAL DATA:	
a. Esti	nated Design Data:	
(1)	Status:	
	(a) Date Design Started	93 MAY 14
	(b) Parametric Cost Estimates used to develop cost	
	(c) Percent Complete as of Jan 1994	35%
	(d) Date 35% Designed. (e) Date Design Complete	93 NOV 02 94 JUN 15
	/e) nare neargn combiers	74 JUN 13
(2)	Basis:	
	(a) Standard or Definitive Design -	МО
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	90
	(b) All Other Design Costs	52
	(c) Total	142
	(d) Contract (e) In-house	3.40
	(e) In-nouse	142
(4)	Construction Start	95 FEB
. Equipme	ent associated with this project will be provided i	From
ther appro	opriations: N/A	r r om
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

11 COMPONENT	<del></del>					10 5	
1. COMPONENT	W 1005 WILTENDY (	OMOGRA	7mTAN 1	NN041		2. D	DATE
l l	Y 1995 MILITARY C			PRUGE	CAM	}	ŀ
AIR FORCE	(computer					<del></del>	224 60005
3. INSTALLATION AND			DMMAND				REA CONST
WRIGHT-PATTERSON AIR	FORCE BASE,	AIR				) (	COST INDEX
OHIO			RIEL CO				0.89
6. PERSONNEL	<u>PERMANENT</u>		TUDENT:			PORTED	<b>→</b>
STRENGTH	OFF ENL CIV		ENL	CIV	OFF	ENL CI	
a. As of 30 SEP 93				]		l	24,371
b. End FY 1999	3569 2800 1352			2	76	138 6	6 20,527
· · · · · · · · · · · · · · · · · · ·	7. INVENTOR	Y DATA	(\$000			<del></del>	
a. Total Acreage: (							
b. Inventory Total A						796,	
c. Authorization Not							820
d. Authorization Rec							350
e. Authorization Inc	luded In Followir	g Prog	ram:	(FY 1	1996)	10,	750
f. Planned In Next 1	Chree Program Year	·s:				72,	900
g. Remaining Deficie	ency:						0
h. Grand Total:						939	039
8. PROJECTS REQUESTE	D IN THIS PROGRAM	: FY	1995				
CATEGORY					COST	DESIG	N STATUS
CODE PRO	JECT TITLE	:	SCOPE		(\$000		
871-183 UPGRADE STO	ORM DRAINAGE SYSTE	M		LS	3.35	O MAR 9	3 MAY 94
			TOTAL	_	3,35		
9a. Future Projects	: Included in th	e Foll					<del>-</del>
311-173 RENOVATE AC			50,000				
MANAGEMENT	•		,,,,,,,,,		0,00	•	1
411-135 FUEL CONTAI				LS	60	0	
821-116 UPGRADE HEA				LS	4,15	-	Į.
CONTROL SY					,,,,,	•	
			TOTAL	•	10,75	n	1
9b. Future Projects	: Typical Planne	d Next				<u> </u>	
	ALTER ENGINEERING		36,000			n	1
	RCH LABORATORY	·	, 000	91	0,00	•	
	ALTER TOXIC HAZAR	פתי	38,000	C.F.	7,80	n	
LABORATORY			00,000	9r	7,00	U	
311-173 RENOVATE AC			34,000	CE	2 50	n	i
MANAGEMENT			34,000	9L	3,30	U	
311-173 ACQUISITION		EV		T C	11 60	^	
PHASE III	MANAGEMENT COMPT	CA.		LS	11,50	U	]
	NOW DOATMACE OVER	7M			2 50	^	
871-183 UPGRADE STO	DEM DEATHAGE SIST	M.	12,000	LF.	<u>3,30</u>	<u> </u>	
10. Mission or Majo	or runctions: nea	aquart	ers Al	r roi	rce Ma	teriel (	command;
Security Assistance	Center; Aeronauti	cal Sy	stems (	Cente	er; Wr	ight	ŀ
Laboratory; test wir	ig with various ty	pes of	test	Birci	raft a	nd C-21	ĺ
aircraft; Air Force	institute of Tech	nology	Air	Force	? Inte	lligence	•
Command Foreign Aero	space Science and	Techno	ology	Cente	er; Ai	r Force	Reserve
F-16 fighter group a	ind C-141 airlift	group;	Air F	orce	Museu	m; and a	major
USAF medical center.					·		1
11. Outstanding pol	lution and safety	(OSH)	defic	ienci	es:	-	T
			•				
a. Air polluti						7,2	200
b. Water pollu						3,1	
c. Occupations	al safety and heal	th:				, -	0
d. Other Envir							ŏ
							·

•	1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
	AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

WRIGHT-PATTERSON AIR FORCE BASE, OHIO UPGRADE STORM DRAINAGE SYSTEM
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

7.80.56 871-183 ZHTV863243 3,350

9. COST ESTIMATE	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE STORM DRAINAGE SYSTEM SUPPORTING FACILITIES CULVERTS FUEL-WATER SEPARATORS SITE IMPROVEMENTS SUBTOTAL CONTINGENCY (10%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	LS EA LS LS	QUANTITY 3	15,000	(\$000) 2,500 385 (45) (140) (200) 2,885 289 3,174 190 3,364 3,350

10. Description of Proposed Construction: Install pollution control structures to channel and divert storm water only to the existing storm water collection system, eliminate sanitary/storm sewer cross connections, upgrade oil water separators, provide additional interceptor sewers, berms, retention/detention basins and necessary support.

11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage system. (Current Mission)
REQUIREMENT: This is a Level II environmental compliance requirement.
This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The base is required to be in compliance with the National Pollutant Discharge Elimination System (NPDES) storm water permit by October 1996. The base's individual storm water permit will be issued by 31 July 1994. Installation of pollution control structures will allow only storm water runoff to enter the storm water collection system, which eventually discharges into the Mad River. The base is required to certify that non-storm water discharges are not

eliminate sources of pollutants in the storm drainage system.

CURRENT SITUATION: The existing storm water drainage system receives runoff from the flight line and other industrial areas of the base and discharges through numerous discharge points to creeks which traverse the base, eventually discharging into the Mad River. There are no measures to prevent potential pollutant sources from mixing with storm water runoff and entering aquifers. There are non-storm water discharges connected to the storm water system in violation of the storm water NPDES permit. The base has also frequently exceeded prior discharge limits for suspended solids that were in the now expired storm water permit.

connected to the storm water system. Corrective actions are required to

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJ  AIR FORCE (computer generated)	ECT DATA 2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO	•
4. PROJECT TITLE	5. PROJECT NUMBER
UPGRADE STORM DRAINAGE SYSTEM	ZHTV863243

IMPACT IF NOT PROVIDED: Uncontrolled runoff will result in the inability of the base to meet discharge limits during heavy rains. The base will be out of compliance with EPA storm water regulations and would be subject to potential fines of up to \$25,000 per day per violation.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, a formal economic analysis was not needed or performed. A certificate of exception has been prepared.

. COMPONE	TI		2. D.	ATE	
	-	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	l		
IR FORCE	ATIO	(computer generated) N AND LOCATION			
. INSIALL	MIIO	N AND LOCATION			
RIGHT-PAT	TERS	ON AIR FORCE BASE, OHIO			
. PROJECT	TIT	LE 5.	PROJECT	NUMBE	£R
PGRADE ST	ORM 1	DRAINAGE SYSTEM	ZHTV863	243	
2. SUPPL	emen	TAL DATA:			
a. Esti	mate	d Design Data:			
(1)		- <del></del> -			
		Date Design Started	• -	MAR 0	
		Parametric Cost Estimates used to develop cost	ts		N
		Percent Complete as of Jan 1994	0.2	35	
		Date 35% Designed.	-	AUG 1	_
	(e)	Date Design Complete	94	MAI J	νŲ
(2)					
		Standard or Definitive Design -	N	0	
	(b)	Where Design Was Most Recently Used -	N,	/A	
(3)	Tot	al Cost $(c) = (a) + (b)$ or $(d) + (e)$ :		(\$00	<b>)</b> 0
	(a)	Production of Plans and Specifications		18	30
		All Other Design Costs		2	27
		Total		20	37
		Contract			
	(e)	In-house		20	)7
(4)	Con	struction Start		94 DE	3C
			_		
		associated with this project will be provided bations: N/A	from		
The state of the s	- <b>-</b>				

1. COMPONENT	2. DAT	E
FY 1995 MILITARY CONSTRUCTION PROGRAM		
AIR FORCE (computer generated)	<u> </u>	
3. INSTALLATION AND LOCATION 4. COMMAND	5. ARE	A CONST
AIR EDUCATION	cos	T INDEX
ALTUS AIR FORCE BASE, OKLAHOMA AND TRAINING COMMAND	0.	92
6. PERSONNEL PERMANENT STUDENTS SUPPOR	(TED	
STRENGTH OFF ENL CIV OFF ENL CIV OFF EN	IL CIV	TOTAL
a. As of 30 SEP 93 394 2778 483 150 219 3		4,027
b. End FY 1999 382 2638 493 147 180		3,840
7. INVENTORY DATA (\$000)		
a. Total Acreage: (4,698)		
b. Inventory Total As Of: (30 SEP 93)	173,04	
c. Authorization Not Yet In Inventory:	86,74	
d. Authorization Requested In This Program:	3,75	
e. Authorization Included In Following Program: (FY 1996)	4,25	•
f. Planned In Next Three Program Years:	15,45	_
g. Remaining Deficiency:		0
h. Grand Total:	283,23	U
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995	DECTAN	OTATUS
CATEGORY COST	DESIGN	
CODE PROJECT TITLE SCOPE (\$000)	START	<u>CMPL</u>
721-312 ADD TO AND ALTER DORMITORY 100 PM	IIDI 02	7777 04
721-312 ADD 10 AND ALTER DORMITOR1 100 PM	JUN 93	JUL 94
9a. Future Projects: Included in the Following Program (FY)	1006)	
179-511 FIRE TRAINING FACILITY 1 EA 1,050	1990/	
721-315 ADD TO AND ALTER VISITING 34,748 SF 3,200		
AIRMEN DORMITORY		
9b. Future Projects: Typical Planned Next Three Years:		
141-753 CONSOLIDATED SQUADRON 38,500 SF 5,200		
OPERATIONS/AMU FACILITY		
149-962 CONTROL TOWER 1 EA 2,550		
411-135 IMPROVE JET FUEL STORAGE LS 3,950		
740-884 ADD TO AND ALTER CHILD 12,742 SF 3,750		
DEVELOPMENT CENTER		
10. Mission or Major Functions: A flying training wing with	one C-5	
squadron and one C-141 squadron that are responsible for train	ning all	C-5
and C-141 aircrews and two Air Mobility Command air refueling	squadro	ns
(KC-135 aircraft). Also, designated to be the primary base for	or train	ing
all C-17 aircrews.		
11. Outstanding pollution and safety (OSH) deficiencies:		
a. Air pollution:	0	
b. Water pollution:	1,020	
c. Occupational safety and health:	0	Į.
d. Other Environmental:	0	
		]
		j
		j
		1

1. COMPONENT	FY 1995 MILITARY	CONSTRUCTIO	ON PRO	OJECT	DATA	1 -	DATE
AIR FORCE		ter general					
3. INSTALLATION		4	. PRO	JECT T	ITLE		
ALTUS AIR FORCE	BASE, OKLAHOMA	A	OT TO	AND A	LTER	DORMITO	ORY
5. PROGRAM ELEME	NT 6. CATEGORY COD	E 7. PROJEC	CT NU	MBER	8. P	KOJECT (	COST(\$UUU)
4.18.96	721-312	AGGN9					3,750
	9. CO	ST ESTIMAT	<u> </u>	1			
	ITEM			QUANT		UNIT COST	COST (\$000)
ADD TO AND ALTER	DORMITORY (100 PN	)	SF	34,8			2,288
ALTERATION			SF	25,5	00	58	
ADDITION (EXTE	RIOR ENTRANCES)		SF	9,3	00	87	( 809)
SUPPORTING FACIL	ITIES			'	1		910
UTILITIES			LS	<b>[</b>	- {		( 350)
SITE IMPROVEME	NTS		LS	ļ	[		( 150)
PAVEMENTS			SY	3,0	00	35	( 105)
ASBESTOS REMOV	AL		LS	1	į		( 280)
SPECIAL FOUNDA	TION		LS	1	1		( 25)
SUBTOTAL				}	}		3,198
CONTINGENCY (10%	)			]	,		320
TOTAL CONTRACT C	OST		- {	1	l		3,518
T-1	PECTION AND OVERHE	AD (6%)	-	1	1		211
TOTAL REQUEST			1	Ì	1		3,729
TOTAL REQUEST (R	OUNDED)				1		3,750
	•		1	ł	}		
	of Proposed Const						ry
	struct addition fo						
	odules, insulation				n, u	tilitie	S,
	, storage and othe	r necessar	y sup	port.			
Grade Mix: 57 E							
	: 1,108 PN ADEQU					: 1,03	2 PN
	and alter dormito	•					
	major Air Force ob						
enlisted personn	el with housing co	nducive to	thei	r prop	er r	est, re	laxation
and personal wel	1-being. Properly	designed	and f	urnish	ed q	uarters	
	egree of individua						
	plishment of the i	ncreasingl	у соп	plicat	ed a	nd impor	rtant
jobs these peopl							
CURRENT SITUATIO	N: Existing unacc	ompanied p	erson	nel ho	usin	g is far	r below
current DoD stan	dards. This dormi	tory has co	entra	l latr	ines	, inade	quate
control of heati	ng, insufficient n	oise atten	uatio	n and	lack	s the n	ecessary
amenities to ade	quately house enli	sted person	nnel.	This	pro	ject wi	11
	lity to meet curre				•		
TWDACT TO NOT DO		1 1 1					•

continue to be a contributing factor to low morale, reduced productivity and dissatisfaction with Air Force life for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in Part II of

IMPACT IF NOT PROVIDED: Substandard living conditions on base will

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been performed comparing alternatives of new construction, revitalization, demolishing existing dorm and relocating occupants off base paying appropriate BAS/VHA and status quo operation. Based on the

1. COMPONENT FORCE	TY 1995 MILITARY CONSTRUCTION PROJECT DA	2. DATE	
3. INSTALLATION AN ALTUS AIR FORCE BA	ND LOCATION		
4. PROJECT TITLE ADD TO AND ALTER D		5. PROJECT NUMBER	R
	and benefits of the respective alterna		

revitalization was found to be the most cost effective over the life of the project. Project has been considered for FY98 force structure end strength.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	1 -	2. DATE
AIR FORCE	(computer generated)		
	ON AND LOCATION		
	CE BASE, OKLAHOMA		
4. PROJECT TI	rle	5. PRO.	JECT NUMBEI
ADD TO AND ALT	TER DORMITORY	AGGI	N953035
12. SUPPLEMEN	WTAL DATA:		
a. Estimate	ed Design Data:		
(1) Sta	atus:		
	Date Design Started		93 JUN 01
(b)	Parametric Cost Estimates used to develop of	osts	7
	Percent Complete as of Jan 1994		352
	Date 35% Designed.		94 JAN 24
(e)	Date Design Complete		94 JUL 19
(2) Ba:	sis:		
(a)	Standard or Definitive Design -		NO
	Where Design Was Most Recently Used -		N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000
(a)	Production of Plans and Specifications		220
	All Other Design Costs		130
(c)	Total		350
(d)	Contract		
(e)	In-house		350
(4) Co	nstruction Start		94 DE0
. Equipment	associated with this project will be provide	d from	

other appropriations: N/A

1 COMPONENT									<del></del> ī	-	DAT	E
1. COMPONENT	<b>1747</b>	1005	MILTO	יטע פטי	ייו מיך סו	י וגרודי	מאסמו			۷.	DAT	E
ATD FORCE	FI	1993				CTION I	RUGE	LAM				
AIR FORCE  3. INSTALLATI	ON AND TO	CATTC		outer		MMAND				5	ADE	A CONST
J. INSTALLATI	ON AND LA	CATIC	/N		AIR I					<b>)</b> .		T INDEX
TINDO ATO DO	DCE BACE	OPTA	UOMA				TAME A N	ID				90
TINKER AIR FO	RCE DASE		ERMANI			RIEL CO			DOD 3	PD	<del>- U ;</del>	90
STRENGTH	-	OFF	PNI	CTV	OPE	ENL	CTV	OPP	POR1		CIV	TOTAL
a. As of 30 S	ED 03	1/33	5457	13357	UFF	ENL	CIV	UFF	ENL	<del>-   '</del>	CIA	20,447
b. End FY 199				11357				Ì	06	51	00	19,463
D. End FI 199	· · · · · · · · · · · · · · · · · · ·					(\$000	<del></del>	L	. 0.		301	17,40.
a. Total Acre	200: (			CIVIONI	DAIR	(3000						
b. Inventory	Total Ac			ED 03)						5.8	1,45	1
c. Authorizat											7,83	
d. Authorizat					aram.						, 63 9, 64	
e. Authorizat							(EV 1	996)			B,20	
f. Planned In						· au ·	(11.	,,,,,			1,15	
g. Remaining			OB L GIN	1 Ear 2	•					J.	•	0
h. Grand Tota		- 7 .								73	B,27	•
8. PROJECTS F		IN TI	ITS PR	CRAM.	FV '	995		<del></del>		, ,	<u>, , , , , , , , , , , , , , , , , , , </u>	7
CATEGORY	CLQOLD 1 LD	111 11	110 110	JOIU 21.	•••			COST		ES	TCN	STATUS
CODE	PRO.II	ECT TI	TLE		•	SCOPE		(\$000	_		ART	CMPL
CODE	1100	<u> </u>	122		•	<del>3001 B</del>		7000	<b>7</b>	<u> </u>		<u>0111 D</u>
211-159 ALTE	ER VENTIL	ATION	SYSTE	м.	13	10.500	SF	8.40	0 4	\PR	93	AUG 94
	ROSION CO					,		٠, ٠٠	-		•	
871-183 UPGE							LS	1.24	3 F	EB	93	AUG 94
						TOTAL		9,64			•	
9a. Future F	rojects:	Incl	luded	in the	Follo					96	<del>)</del>	
141-753 SQUA						40,600					-	
	ITER		•			,		- , -				
211-159 B-2	DEPOT AI	RCRAFT	CORR	OSION			LS	5,00	0			
	TROL FAC							- , -				
721-312 ADD	TO AND A	LTER I	ORMIT	ORIES		280	PN	4,40	0			
871-183 UPGE	RADE STOR	M DRA	INAGE :	SYSTEM			LS	3,10	10			
						TOTAL		18,20				
9b. Future I	rojects:	Турі	ical P	lanned	Next	Three	Year					
123-335 VEHI	CLE FUEL	ING ST	MOITAT			8	OL	85	0			
124-000 REMO	OVE INACT	IVE U	NDERGR	OUND			LS	8,00	0			
	RAGE TAN							•				
214-425 CONS	OLIDATED	VEHIC	CLE		10	68,000	SF	7,90	10			
MAI	NTENANCE	FACII	LITY			•		•				
217-742 COME	BAT COMMU	NICAT	ONS		4	44,300	SF	4,35	0			
<b>SQ</b> I	JADRON OP	ERATI(	ONS FA	CILITY		•		•				
610-287 ENG	NEERING .	AND I	NSTALL	ATION	(	66,275	SF	8,80	10			
	ILITY		·					_				
10. Mission	or Major	Funct	ions:	Okla	homa (	City A	ir L	ogisti	cs (	Cen	ter	which
is responsibl	e for lo	gistic	cs man	agemen	t, su	pport,	and	depot	-lev	re1		
maintenance o	of E-3, B	-1, B-	-2, B-	52, an	d KC-	135 ai:	rcrai	Et, an	id a	irc	raft	
engines; Air	Combat Co	ommano	i air	contro	l wing	g (E-3	and	EC-13	5 ai	irc	raft	) and
combat commun	nications	group	; and	an Ai	r Fore	ce Res	erve	fight	er s	ro	up (	F-16
aircraft). A	major to	enant	is the	e Navy	's TA	CAMO w	ing v	vith E	:-6 a	ir	craf	t.
	_						_					

1. COMPONENT										2. DA7	re
į i	FY	1995		ARY CO			PROGR	LAM	ŀ		
AIR FORCE				puter							
3. "NSTALLAT	ION AND LO	CATIC	ON		ł .	MHAND			ļ		EA CONST
		_			AIR F			_	Į		ST INDEX
TINKER AIR FO	DRCE BASE,		LHOMA			CIEL CO					90
6. PERSONNEL	+		ERMANI			UDENTS			POR1		<u> </u>
STRENGTH	1	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENI	. CIV	TOTAL
a. As of	1										1
b. End FY				l							L
			7. INV	ENTORY	DATA	(\$000)	)				
a. Total Acre											Ì
b. Inventory	Total As	Of:									l
c. Authorizat											
d. Authorizat											1
e. Authorizat	tion Inclu	ded 1	In Fol:	lowing	Progr	am:					
f. Planned In	n Next Thr	ee Pi	rogram	Years	:						]
g. Remaining	Deficienc	y:									į
h. Grand Tota	al:	<u> </u>	·								
11. Outstand	ding pollu	tion	and s	afety	(OSH)	defic	ienci	es:			
a. Air	pollution	:								3,500	)
	er polluti									3,100	)
	upational		y and	healt	h:					(	)
	er Environ									3,500	ו נ
										•	į
											1
											Ι.
1											1

1. COMPONENT									2.	DATE
	F	7 1995 MILITARY CO				)JECT	DATA			
AIR FORCE		(compute	er gener							
3. INSTALLATI	3. INSTALLATION AND LOCATION 4. PROJECT TITLE ALTER VENTILATION SYSTEM									
				i e						•
TINKER AIR FORCE BASE, OKLAHOMA   CORROSION CONTROL FAC (DBOF)  5. PROGRAM LEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000										
5. PROGRAM LL	EMENT	6. CATEGORY CODE	7. PRO	JECT	NUP	IBER	8. P	ROJEC	CT C	OST(\$000)
7.80.56		211-159	เมเบงา	(9430	าวก	ſ				8,400
7.80.30			r estim		20					8,400
		7. 003		<u></u>				UNIT	ا ا	COST
		ITEM		lu	J/M	QUANT	ITY	COST		(\$000)
ALTER VENTILA	TION	SYSTEM, CORROSION								
CONTROL FAC (		•		s	F	110,5	00		25	2,763
SUPPORTING FA	CILIT	IES		1						4,450
UTILITIES				L	ເຣ		Ì			( 900)
UPGRADE SUB	STATI	NC		I	LS		-			(1,300)
STEAM GENER	ATION				یs					(2,000)
SITE IMPROV	EMENT	S		] L	S		]			( <u>250</u> )
SUBTOTAL				-			ł			7,213
CONTINGENCY (							- 1			<u>721</u>
TOTAL CONTRAC										7,934
		CTION AND OVERHEAD	0 (6%)							476
TOTAL REQUEST					i		- 1			8,410
TOTAL REQUEST	(ROU	NDED)					- 1			8,400
							1			
}				Ì			1			
i				ı		I			1	

Description of Proposed Construction: Alter ventilation system to provide up to 100 percent make-up air, increase steam and electric service to the facility, and provide necessary support.

Air Conditioning: 150 Tons.

11. REQUIREMENT: 236,000 SF ADEQUATE: 0 SUBSTANDARD: 236,000 SF PROJECT: Alter the ventilation system of a corrosion control facility. (Current Mission)

**REQUIREMENT:** A functional and environmentally safe depot corrosion control facility is required for repainting aircraft in conjunction with periodic depot maintenance of several different aircraft types. Modification of the ventilation system in the existing facility is required to meet Occupational Safety and Health Administration (CSHA) requirements. OSHA Regulation 29 CFR 1910.107(d)(9) requires ventilation systems to limit contaminants to 500 parts per million. A single parts through ventilation system, with adequate provisions for heating and cooling make-up air, is required to meet this requirement. CURRENT SITUATION: This is one of two depot corrosion control facilities

at Tinker Air Force Base, and is the only one equipped for complete aircraft repainting. Twelve of 14 ventilation units in the facility use recirculated air, which violates OSHA regulations and degrades the quality of paint application. The two remaining units exhaust to the outside except in cold weather. Annual paint usage in 1989-1990 averaged 21,000 gallons. Personnel are protected from respiratory hazards by use of special air-line respirators, which greatly decrease productivity. Noncompliance with OSHA regulations has been documented in an Air Force Occupational and Environmental Health Laboratory (AFOEHL) report. Additionally, the temperature and humidity conditions cause poor paint

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

TINKER AIR FORCE BASE, OKLAHOMA

4. PROJECT TITLE

5. PROJECT NUMBER

ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)

WWYK943020

adhesion, blushing, or irregular paint application on about two-thirds of aircraft requiring gloss paint applications. Correction of these flaws range from scuff sanding and touch-up painting to complete repainting of aircraft.

IMPACT IF NOT PROVIDED: Aircraft paint operations will continue to violate OSHA standards and a high risk of fire will remain, with the potential loss of building, aircraft and equipment as well as personal injury or death. Also, completion of aircraft painting will continue to be delayed and labor and materials will continue to be wasted repainting aircraft.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, contracting and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review Board in September 1992.

FY 1995 MILITARY CONSTRUCTION PROJECT DATA  (computer generated)  TON AND LOCATION	TW	
	ì	
ORCE BASE, OKLAHOMA		
ITLE	5. PROJECT N	TUMBER
ATION SYSTEM, CORROSION CONTROL FAC (DBOF)	WWYK94302	20
PINNIA V. B. A GO A		
ENTAL DATA:		
ted Design Data:		
toy you to a ta .		
tatus:		
	93 A	PR 15
) Parametric Cost Estimates used to develop (		N
		35%
	93 C	CT 10
) Date Design Complete	94 A	UG 26
	110	
, where besign was most Recently used -	N/A	1
otal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
		500
) All Other Design Costs		340
		840
•		649
) In-house		191
onstruction Start	•	/ DEC
onstruction Start	9	4 DEC
	ATION SYSTEM, CORROSION CONTROL FAC (DBOF)  MENTAL DATA:  ated Design Data:  Status:  a) Date Design Started	ATION SYSTEM, CORROSION CONTROL FAC (DBOF)  WWYK94302  GENTAL DATA:  Atted Design Data:  A) Date Design Started  A) Parametric Cost Estimates used to develop costs  B) Percent Complete as of Jan 1994  A) Date 35% Designed.  B) Date Design Complete  B) Date Design Complete  B) Standard or Definitive Design -  B) Where Design Was Most Recently Used -  Cotal Cost (c) = (a) + (b) or (d) + (e):  B) Production of Plans and Specifications  B) All Other Design Costs  Contract  Co

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION | 4. PROJECT TITLE

TINKER AIR FORCE BASE, OKLAHOMA UPGRADE STORM DRAINAGE SYSTEM

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

7.80.56 871-183 WWYK953056 9. COST ESTIMATES

9. CUSI ESTIMAT	LES			
ITEM	U/M	QUANTITY	UNIT	COST (\$000)
UPGRADE STORM DRAINAGE SYSTEM BERMS AND INTERCEPTOR SEWERS RETENTION/DETENTION BASINS SUPPORTING FACILITIES ELIMINATE CROSS-CONNECTIONS CULVERTS FUEL-WATER SEPARATORS SITE IMPROVEMENTS SUBTOTAL CONTINGENCY (10Z) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6Z) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	LS LS EA LS LS LS	2	70,000	840 ( 700) ( 140) 245 ( 100) ( 80) ( 45) ( 20) 1,085 109 1,194 72 1,266 1,243
	1	i i	j	

10. Description of Proposed Construction: Install pollution control structures to channel and divert storm water only to the existing storm water collection system; eliminate sanitary and storm sewer cross connections; provide a detention basin, erosion control, canopies and necessary support.

11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage system. (Current Mission)
REQUIREMENT: This is a Level II environmental compliance requirement.
This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The base is required to be in compliance with the National Pollutant Discharge Elimination System (NPDES) storm water permit by October 1996. The base's individual storm water permit will be issued by 31 July 1994. In addition, Tinker is under a consent decree with the Natural Resources Defense Council effective 16 March 1993 to implement recommendations of their storm water pollution prevention plan and best management practices evaluation. Installation of pollution control structures will allow only storm water runoff to enter the storm water collection system, which discharges into three creeks and eventually the Canadian River. The base is required to certify that non-storm water discharges are not connected to the storm water system. Corrective actions are required to eliminate sources of pollutants in the storm drainage system.

CURRENT SITUATION: The existing storm water drainage system receives runoff from the flight line and other industrial areas of the base and discharges through eight discharge points into Crutcho, Kuhlman and Soldier Creeks. There are no measures to prevent potential pollutant sources from mixing with storm water runoff and entering aquifers. There

1,243

1	CARY CONSTRUCTION PROJECT DATA computer generated)	2. DATE
	omputer generated)	
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOM	[A	
4. PROJECT TITLE	15.	PROJECT NUMBER
UPGRADE STORM DRAINAGE SYSTEM		WWYK953056

violation of the pending storm water NPDES permit.

IMPACT IF NOT PROVIDED: Uncontrolled runoff will result in the inability of the base to meet discharge limits during heavy rains. The base will be out of compliance with EPA storm water regulations and would be subject to potential fines of up to \$25,000 per day per violation.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, a formal economic analysis was not needed or performed. A certificate of exception has been prepared.

are non-storm water discharges connected to the storm water system in

ORM DRAINAGE SYSTEM	_WWYK953056
EMENTAL DATA:	
mated Design Data:	
(a) Date Design Started	93 FEB 0
	35
	93 SEP 2 94 AUG 0
•	
	NO
(b) Where Design Was Most Recently Used -	N/A
Total Cost (a) = (a) + (b) or (d) + (a):	(\$00
	7
	11
(c) Total	18
(d) Contract	1
(e) In-house	17
Construction Start	94 DE
	EMENTAL DATA:  Imated Design Data:  Status:  (a) Date Design Started  (b) Parametric Cost Estimates used to develop complete as of Jan 1994  (d) Date 35% Designed.  (e) Date Design Complete  Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  Total Cost (c) = (a) + (b) or (d) + (e):  (a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house

1. COMPONENT	Y 1995 MILITA	RY CON	ISTRUC	TION	PROGI	RAM		2. DAT	E.
AIR FORCE		uter g					1		
3. INSTALLATION AND				MMAND		***		5. ARE	A CONS
J. 1.1011122111011 12.9				DUCAT	ION				T INDE
VANCE AIR FORCE BASE	OKI AHOMA		l .	RAINI		) MM A NT	, l		92
6. PERSONNEL	PERMANE	NT		UDENT			PORT		32
STRENGTH	OFF ENL	CIV	OFF		CIV				TOTAL
				ENL	CIV	UFF	ENL		
a. As of 30 SEP 93	355 398	92						1	1,05
b. End FY 1999	354 383	100			<del></del>	L		1	1,08
	7. INVE	NTURY	DATA	(\$000	<u> </u>				
a. Total Acreage: (									
b. Inventory Total As								80,33	
c. Authorization Not	Yet In Invent	tory:						7,65	0
d. Authorization Requ	uested In Thi	s Prog	gram:					6,18	30
e. Authorization Inc.	luded In Foll	owing	Progr	am:	(FY	1996)			0
f. Planned In Next Ti		_	_					10,50	0
g. Remaining Deficien	_							,-	0
h. Grand Total:								104,66	i.R
8. PROJECTS REQUESTE	D IN THIS PRO	GRAM.	FY 1	995				204,00	
CATEGORY	Z ZIV ZIZIS I RO	vidal.		. , , ,		COST	יו יו	FCICN	STATUS
	JECT TITLE			CODE		(\$000		START	
<u>CODE</u> <u>PRO</u>	JECT TITLE		=	COPE		73000	<u>'/</u>	PIWII	CMPL
170 E11 DIDE MDATNI	NO DACTITON			,	E A	0.0		O 3	7777 0
179-511 FIRE TRAINI					EA			EB 93	
721-312 ALTER DORMI					PN	,		EC 93	
832-266 UPGRADE SAN				45,900				UL 93	
871-183 UPGRADE STO	RM DRAINAGE S	YSTEM		6,900	LF .	1,80	<u>)0</u> J	IUL 93	SEP 9
				TOTAL		6,18			
9a. Future Projects	: Included i	n the	Follo	owing 1	Prog	ram (B	Y 19	96) NO	NE
9b. Future Projects	: Typical Pla	anned	Next	Three	Yea	rs:			
113-321 T-37 REPLACE MODIFICATION	EMENT FACILIT	Y			LS	3,25	50		
141-753 SQUADRON OP	ERATIONS FACI	LITY	1	18,000	SF	2.25	50		
219-944 BASE ENGINE				7,600		5,00			
10. Mission or Majo								conduc	rte
Undergraduate Pilot	Training (UPT	) (T-	37 and	T-38	air	craft)	Δ	len t	1960
will undergo a T-37							•	1130, 1	, a s c
ll. Outstanding pol					ienc	ies:			
ii. Odestanding poi	rocton and sa	recy	(0311)	delic	TEIIC	762.			
a. Air pollution	n <b>n :</b>							,	,
								(	
b. Water pollu								9	
	l safety and	vearti	n:					(	
d. Other Enviro	onmental:							C	)

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 3. INSTALLATION AND LOCATION 4. PROJECT TITLE ALTER DORMITORIES VANCE AIR FORCE BASE, OKLAHOMA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) XTLF963302 2,300 8.57.96 721-312 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ALTER DORMITORIES (133 PN) 50,500 1,970 SUBTOTAL 1,970 197 CONTINGENCY (10%) TOTAL CONTRACT COST 2,167 SUPERVISION, INSPECTION AND OVERHEAD (6%) 130 2,297 TOTAL REQUEST 2,300 TOTAL REQUEST (ROUNDED) Description of Proposed Construction: Upgrade two dormitories. to include: construct semi-private bathrooms, upgrade lighting and architectural finishes in all living areas, lounge areas and hallways. convert the existing gang latrines to storage space, enclose the exterior stair towers on both ends of each building, and replace roofs. Grade Mix: 86 E1-E4; 47 E5-E6. REQUIREMENT: 133 PN ADEQUATE: 0 SUBSTANDARD: 266 PN PROJECT: Alter dormitories. (Current Mission) **REQUIREMENT:** A major Air Force objective is to provide unaccompanied enlisted personnel with housing that is conducive to their proper rest, relaxation and personal well-being. This project will upgrade two existing dormitories to meet current DoD standards. CURRENT SITUATION: Presently, the personnel assigned to these two dormitories must use gang latrine facilities. DoD standard is for semi-private bathrooms. Dormitory residents and guests utilizing the exterior stair towers are exposed to inclement weather and must use caution to avoid injury. The room finishes in the dormitory rooms and common use areas are outdated and worn, and there is not enough storage space inside these facilities for the occupants' belongings. IMPACT IF NOT PROVIDED: The forced use of substandard living quarters by enlisted personnel will continue, resulting in low morale and less capability for retention of quality Air Force personnel. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". The House Appropriations Committee directed us to include this project in the FY95 program. Because of this specific Congressional direction, a full economic analysis was not performed. A certificate of exception has been

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION F  AIR FORCE (computer generated)  3. INSTALLATION AND LOCATION	· · · · · · · · · · · · · · · · · · ·
VANCE AIR FORCE BASE, OKLAHOMA	IS DROJECT VENCERO
4. PROJECT TITLE	5. PROJECT NUMBER
ALTER DORMITORIES	XTLF963302
prepared. Alteration cost is 43% of new construeen considered for FY 98 force structure end st	

Page No

1. COMPONENT			2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DA	ATA	
AIR FORCE	(computer generated)		
3. INSTALLATÍO	ON AND LOCATION		
	CE BASE, OKLAHOMA	15 554	
4. PROJECT TI	LPR	J. PRO	DJECT NUMBER
ALTER DORMITO	of FC	VTI	LF963302
ALTER DORMITO	(114)	+ VII	Jr 903302
12. SUPPLEME	ITAL DATA:		
	· <del></del>		
a. Estimate	ed Design Data:		
(1) Sta	<del></del>		
(a)			93 DEC 01
	Parametric Cost Estimates used to develop	costs	3.55
	Percent Complete as of Jan 1994  Date 35% Designed.		157
	Date Design Complete		94 MAY 01 94 DEC 01
(6)	Date Design Complete		94 DEC 01
(2) Bas	sis:		
(a)	Standard or Definitive Design -		NO
(P)	Where Design Was Most Recently Used -		N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
	Production of Plans and Specifications		130
(b)	All Other Design Costs		70
	Total		200
- · ·	Contract		150
(e)	In-house		50
(4) Cor	struction Start		95 MAR

other appropriations: N/A

1. COMPONENT										2.	DATE	
	F	7 1995 MILĮTA					DJECT	DATA	,			
AIR FORCE			ompute	er gene					1			
3. INSTALLATI	ON ANI	LOCATION			4.	PRO.	JECT :	FITLE	5			
VANCE AIR FOR				13 220					SEWE			
5. PROGRAM EL	EMENT	6. CATEGURY	CODE	7. PRO	JECT	NU	AREK	8. 1	ROJEC	T (	UST	\$000)
0 57 56	i	832-266		VTI	E0/:	3303		ļ			1,10	<b>n</b>
8.57.56				r ESTIM				I			1,10	<u> </u>
				LOIIE	AIL.	<u> </u>	<del></del>		UNIT	,	CO	ST
}		ITEM				אענו	OUAN	TITY	COST		(\$0	
UPGRADE SANIT	ARY SI					LF	_	900	333		- \4	900
REPAIR SEWE		=				LF		000		10	(	120)
REPLACE/ADD	SEWE	R LINES				LF		900		23		780)
SUPPORTING FA												55
SITE IMPROV	EMENT	S				LS	1	1			(	10)
PAVEMENTS						LS	İ				(	10)
CONTAMINATE	D SOI	L REMOVAL				LS	ļ	ļ			(_	<u>35</u> )
SUBTOTAL						•	j					955
CONTINGENCY (						•	1				_	96
TOTAL CONTRAC				- 4		1					1	,051
SUPERVISION,		CTION AND OVE	ERHEA	D (6%)		ļ					-	63
TOTAL REQUEST		··~~ \										,114
TOTAL REQUEST	( ROU	NUED)					1				1	,100
}						}	1					
l							1	l				
1						ĺ	l					
1							]					

10. Description of Proposed Construction: Perform all work to upgrade the existing sanitary sewer system, remove contaminated soil, and accomplish remediation work.

11. REQUIREMENT: 45,900 LF ADEQUATE: 0 SUBSTANDARD: 45,900 LF PROJECT: Upgrade sanitary sewer system. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement to correct a permit violation with the City of Enid, Oklahoma. This project will upgrade the existing sanitary sewer system to prevent environmental contamination and system overload due to storm water infiltration. Clean Water Act prohibits contamination of underground water sources. CURRENT SITUATION: The existing base sanitary sewer system was designed and constructed in 1942 to meet the requirements of Vance AFB at that time. Due to age, soil conditions, and major changes in the size and number of facilities located on base, many of the lines have cracked. broken, collapsed, become misaligned, and are now undersized to handle the newer facilities. A smoke test of the system identified numerous failures in the system and sources of storm water infiltration. Within the past year a collapsed line caused sanitary sewage to escape from the system; this incident was reported to the EPA. Maintenance costs have steadily increased the last three years with over 300 manhours expended on repairs in each of the past two years. The Vance AFB sewage system was connected to the City of Enid in March 1990 and the base now pays sewage treatment fees based upon the quantity of sewage treated. Sewage flow increases as much as 25 percent during periods of rain due to infiltration through damaged lines and possible crossconnections with the storm sewer resulting in increased sewage treatment fees.

IMPACT IF NOT PROVIDED: Untreated sewage from this system will continue

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	TA 2. DATE
3. INSTALLATION AND LOCATION  VANCE AIR FORCE BASE, OKLAHOMA	
4. PROJECT TITLE UPGRADE SANITARY SEWER SYSTEM	5. PROJECT NUMBER XTLF943303

to contaminate the environment increasing the potential of harming the health and welfare of the base population. The fifty-year-old system will continue to deteriorate at an accelerated rate. Increased flow rates due to infiltration will continue to cause higher treatment costs. The potential for citations with fines up to \$25,000 per citation will exist. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY 98 force structure end strength.

ANCE AIR FORCE BASE, OKLAHOMA  PROJECT TITLE  PROJECT TITLE  SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (4) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract  (5) PROJECT NUMBER  XTLF943303  STUL 30  93 JUL 30  94 JAN 31  95 JAN 31  96 SEP 15	1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	TA 2. DATE
### PROJECT TITLE  ### PROJECT TITLE  ### PROJECT TITLE  ### PROJECT NUMBER  ### XTLF943303  #			
### PROJECT TITLE  ### PROJECT TITLE  ### PROJECT TITLE  ### PROJECT NUMBER  ### XTLF943303  #	VANCE ATR POL	CE BASE OKLAHOMA	
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Standard or Definitive Design - (h) Where Design Was Most Recently Used - (h) Where Design Was Most Recently Used - (h) All Other Design Costs (h) All Other Design Costs (h) All Other Design Costs (h) Contract (h) Status: (a) Standard or Definitive Design - (b) All Other Design Costs (c) Total (d) Contract (s) O00)			5. PROJECT NUMBER
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Standard or Definitive Design - (h) Where Design Was Most Recently Used - (h) Where Design Was Most Recently Used - (h) All Other Design Costs (h) All Other Design Costs (h) All Other Design Costs (h) Contract (h) Status: (a) Standard or Definitive Design - (b) All Other Design Costs (c) Total (d) Contract (s) O00)			
a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (c) N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract  (3) Total Cost (c) = (a) + (b) or (d) + (e): (5000) (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract	UPGRADE SANI	TARY SEWER SYSTEM	XTLF943303
(1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (g) Standard or Definitive Design - NO (g) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (s) JUL 30 (94 JAN 31 (94 JAN 31 (95 JAN 31 (96 JAN 31 (97 JAN 31 (98 JAN 31 (98 JAN 31 (98 JAN 31 (98 JAN 31 (99 JAN 31 (90 JAN	12. SUPPLEM	ENTAL DATA:	
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (s) JUL 30  93 JUL 30  94 JAN 31  94 JAN 31  95 SEP 15  (\$000)  (\$000)	a. Estimat	ted Design Data:	į
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1994 35% (d) Date 35% Designed. (e) Date Design Complete 94 JAN 31 (e) Date Design Complete 94 SEP 15  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract  (5000)			
(c) Percent Complete as of Jan 1994  (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract  35%  94 JAN 31  98 (5000)  (\$000)			, , , , , , , , , , , , , , , , , , ,
(d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract  94 JAN 31 94 SEP 15  NO (\$000)  (\$000)			
(e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications (b) All Other Design Costs 38 (c) Total 98 (d) Contract 70			- <del></del>
(2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications (b) All Other Design Costs 38 (c) Total 98 (d) Contract 70			
(a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 60 (b) All Other Design Costs 38 (c) Total 98 (d) Contract 70	1	, 200 303-8 00mp2000	J4 021 17
(b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications 60  (b) All Other Design Costs 38  (c) Total 98  (d) Contract 70	L		•
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 60 (b) All Other Design Costs 38 (c) Total 98 (d) Contract 70			
(a) Production of Plans and Specifications 60 (b) All Other Design Costs 38 (c) Total 98 (d) Contract 70	(b)	Where Design Was Most Recently Used -	N/A
(a) Production of Plans and Specifications60(b) All Other Design Costs38(c) Total98(d) Contract70	(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(c) Total 98 (d) Contract 70	(a)	Production of Plans and Specifications	1
(d) Contract 70			38
171	1		_
(e) In-nouse 28	(e,	In-house	28
(4) Construction Start 94 DEC	(4) Co	onstruction Start	94 DEC
Equipment associated with this project will be provided from other appropriations: N/A			ed from
_			
		·	
1			

1. COMPONENT			2	. DATE
		ONSTRUCTION PROJECT	DATA	
AIR FORCE		er generated)		
3. INSTALLATION	N AND LOCATION	4. PROJECT	TITLE	
VANCE AIR FORCE	E BASE, OKLAHOMA	UPGRADE STO	RM DRAINAGE	SYSTEM
5. PROGRAM ELEI	MENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT	COST(\$000)
8.57.56	871-183	XTLF953304	<u> </u>	1,800
]	9. COS	T ESTIMATES		
			UNIT	COST

y. COST ESTIMATE	<u> </u>			1
			UNIT	COST
I TEM	U/M	QUANTITY	COST	(\$000)
UPGRADE STORM DRAINAGE SYSTEM	LF	56,900		1,534
REPAIR EXISTING LINES	LF	50,000	13	( 650)
NEW DRAIN LINE	LF	1,600	105	
CHANNEL IMPROVEMENTS	LF	5,300	135	
SUPPORTING FACILITIES	j	Ì		30
SITE IMPROVEMENTS	LS	ì		( 15)
PAVEMENT REPAIR	LS	İ		(15)
SUBTOTAL	1			1,564
CONTINGENCY (10%)	1	j		<u> 156</u>
TOTAL CONTRACT COST	1			1,720
SUPERVISION, INSPECTION AND OVERHEAD (6%)	]	1	'	<u>103</u>
TOTAL REQUEST	1	1		1,823
TOTAL REQUEST (ROUNDED)	1			1,800
	-			
	1	}		
	1	}	:	
1	1			

10. Description of Proposed Construction: Upgrade and repair the storm water drainage system for the base cantonment area, to include the south drainage ditch. Work shall include repair of all collapsed, cracked and/or broken pipes, and leaking pipe joints. Also install additional drainage pipes, a concrete channel liner, headwalls, culverts and all other associated appurtenances.

11. REQUIREMENT: 122,346 LF ADEQUATE: 67,804 LF SUBSTANDARD: 51,341 LF PROJECT: Upgrade storm drainage system. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. Repairs will achieve compliance with the National Pollution Discharge Elimination System (NPDES) permit. Repair the existing storm water drainage system and provide additional drainage capacity to prevent flooding. Additional capacity is required to provide adequate drainage for a storm that statistically occurs once in 10 years. The work required is based on the 1987 Maintenance Upgrade Drainage System (MUDS) study for Vance AFB.

CURRENT SITUATION: The existing system was constructed in 1942 to meet the needs of Vance Air Force Base at the time. The system has deteriorated due to age and soil conditions, resulting in cracks and misaligned joints. These openings and the unlined channels allow soil infiltration, raising the total suspended solids (TSS) in the storm water. TSS limits identified in the NPDES permit have been exceeded three times since 1992 and by as much as 45 percent. The existing storm drainage system cannot handle runoff from a 10-year storm event which results in flooding.

IMPACT IF NOT PROVIDED: Storm water discharge will continue to exceed the parameters of our NPDES permit during periods of runoff and could result

	1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	ſΑ	2. DA	ATE
~	3. INSTALLATION AND LOCATION  VANCE AIR FORCE BASE, OKLAHOMA			
•		5. P	ROJECT	NUMBER
	IDCDARE CTORM REALNACE EVETEM	v	TT F0533	204

in fines due to Clean Water Act violations up to \$25K per violation. The center of the cantonment area will continue to experience flooding resulting in damaged pavements, increased erosion, and pedestrian and vehicular traffic obstructions.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY 98 force structure end strength.

	ENT	2. DATE
IR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA  (computer generated)	
	LATION AND LOCATION	
. INGIAU	MITON AND BOOM TON	
ANCE AIR	FORCE BASE, OKLAHOMA	
. PROJEC		PROJECT NUMBER
PGRADE S'	TORM DRAINAGE SYSTEM	XTLF953304
2. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
•	(a) Date Design Started	93 JUL 30
	(b) Parametric Cost Estimates used to develop cost	
	(c) Percent Complete as of Jan 1994	35%
	(d) Date 35% Designed.	94 JAN 31
	(e) Date Design Complete	94 SEP 15
(2)	Basis:	
(4)	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(2)	Total Cost (c) = (a) + (b) or (d) + (e):	(****
(3)		(\$000
	(a) Production of Plans and Specifications	102 42
	(b) All Other Design Costs (c) Total	144
	(d) Contract	
	,-,	
(4)	(e) In-house	34
(4)	,-,	34
(4)	(e) In-house	94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	94 DEC
. Equip	(e) In-house Construction Start	34 94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	34 94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	34 94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	34 94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	34 94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	34 94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	34 94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	34 94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	34 94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	94 DEC
. Equip	(e) In-house  Construction Start  ment associated with this project will be provided f	34 94 DEC

<del>,, ,, ,, ,, ,</del>						
1. COMPONENT		10 mm 110 mm		2 4 3 4	2. DA	re
	Y 1995 MILITARY CON		PROGI	KAM		
AIR FORCE	(computer s	4. COMMAN			ADI	EA CONST
3. INSTALLATION AND CHARLESTON AIR FORCE		AIR MOBIL				EA CONST
	BASE, SOUTH		LII			
CAROLINA	PERMANENT	COMMAND	PC	CIDD	ORTED	. 85
6. PERSONNEL	OFF ENL CIV	STUDEN OFF ENL	CIV		ENL CIV	TOTAL
STRENGTH a. As of 30 SEP 93	533 3642 1134				3 2	
1	547 3359 1079	I I	, ,		3 2	4,991
b. End FY 1999	7. INVENTORY		<del></del>	<del></del>		4,771
a. Total Acreage: (		DAIN (300)	<u> </u>			<del></del>
b. Inventory Total A	0,233)				157,2	74
c. Authorization Not	Vot In Inventory				66,2	
d. Authorization Req	useted In This Pro	rram'			11,4	
e. Authorization Req	luded In Following	Drogram:	(RV	10061	51,1	
f. Planned In Next T			(11.	19907	17,0	
g. Remaining Deficie		•			17,0	0
h. Grand Total:	ncy.				303,0	•
8. PROJECTS REQUESTE	D IN THIS PROGRAM.	FY 1995			303,0	
CATEGORY	INVOIGIII	///		COST	DESTON	STATUS
	JECT TITLE	SCOPE		(\$000)		CMPL
2022	<u></u>	<u> </u>		742007	~ *****	<u> </u>
442-257 UPGRADE HAZ	ARDOUS WASTE		LS	1,500	JUL 93	OCT 94
STORAGE FA				-,500	002 33	001 34
721-315 ALTER DORMI		40	5 PN	9,900	JIII. 93	SEP 94
		TOTA		11,400		
9a. Future Projects	: Included in the	Following				
121-122 C-17 ADD TO	AND ALTER APRON/			12,800		
HYDRANT FU	ELING SYSTEM			•		
136-668 AIRFIELD LI 141-753 SQUADRON OP MAINTENANO	GHTING VAULT	3,00	O SF	1,300		i
141-753 SQUADRON OF	ERATIONS/AIRCRAFT	41,92		7,100		
MAINTENANC	E UNIT FACILITY			•		
171-212 ADD TO FLIG	HT SIMULATION	4,70	O SF	1,300		
TRAINING		•		•		
211-000 AIRCRAFT MA	INTENANCE	24,00	O SF	4,400		
	AND ALTER AIRCRAFT			4,500		
	E AND NDI SHOP	-		-		
211-173 LARGE ACFT	MAINTENANCE DOCK	26,00	0 SF	5,600		
721-312 DORMITORY		19	7 PN	5,600		
721-312 ALTER DORMI	TORY		3 PN			
843-315 ADD TO AND	ALTER FIRE HYDRANT:	S 24,00	0 LF	1,750		
		ATOTA		51,150	·····	
9b. Future Projects				rs:		
130-142 FIRE/CRASH				1,100		
141-753 SQUADRON OP	ERATIONS/AMU FACIL			7,100		
TY				•		
219-000 BASE ENGINE		41,00	O SF	5,600		
411-135 IMPROVE JET			LS	1,500		
442-257 BASE HAZ MA		9,60		1,300		
10. Mission or Majo	r Functions: An a	irlift win	g whi	ch incl	udes fou	r
C-141C-17 squadrons;	an Air Force Reser	rve C-141 .	RSSOC	iate ai	rlift wi	ng;
and an Air National	Guard fighter inter	rceptor de	tachm	ent wit	h F-16	
aircraft. A joint m	ilitary/civil use a	airfield.				

1. COMPONENT										2. D	ATE	
FY 1995 MILITARY CONSTRUCTION PROGRAM  AIR FORCE (computer generated)												
AIR FORCE				outer i								
3. INSTALLAT	1	MMAND				5. AREA CONST						
CHARLESTON A	IR FORCE B.	ASE,	SOUTH		AIR N	(OBILI)	TY					INDEX
CAROLINA					COMM	IND					0.8	5
6. PERSONNEL	1	F	ERMANI	ENT	S1	TUDENTS	3	SUF	POR'	red	$\bot$	
STRENGTH	1	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENI	CI	<b>v</b> ] :	TOTAL
a. As of	T								-			
b. End FY					\ !							
		7	. INV	ENTORY	DATA	(\$000	)					
a. Total Acre	eage:						<del></del>					
b. Inventory	_	Of:										
c. Authorizat			Inve	ntory:								
d. Authoriza					gram:							
e. Authoriza						am:						
f. Planned In				_	_							
g. Remaining			-6		-							
h. Grand Tota		, -										
	ding pollu	tion	and sa	afety	(OSH)	defic	ienci	es:				
	6 borre				,							i
a. Air	pollution	:									0	
	er polluti										0	
	upational		hae v	healti	h •						0	•
	er Environ			cart							n	
4. 000	er Fliation	menre									U	
t .												

1. COMPONENT		995 MILITA				DAT	-	DATE
AIR FORCE		(cc	omputer	generat	<u>ed)</u>	_		
3. INSTALLAT		OCATION		4. UP	PROJECT GRADE HAZ ORAGE FAC	ARDO	US WASTI	3
5. PROGRAM E	LEMENT 6.	CATEGORY	CODE 7					COST(\$000)
Į	1		1			1		

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE HAZARDOUS WASTE STORAGE FACILITY	LS			181
MODIFY TANK SUPPORTS	TK	4	8,750	( 35)
ENCLOSE CONTAINER STORAGE AREA	SF	3,800	28	( 106)
MODIFY SECONDARY CONTAINMENT	LS			( 15)
LOADING DOCK W/CONNECTOR TO SEPARATOR	LS	)		( 25)
SUPPORTING FACILITIES				1,105
COMPACTION/GROUTING/SOIL BORINGS	LS		_	(1,010)
PAVEMENTS	SY	1,500	63	(95)
SUBTOTAL				1,286
CONTINGENCY (10%)	- [	ļ		129
TOTAL CONTRACT COST	1			1,415
SUPERVISION, INSPECTION AND OVERHEAD (6%)		ļ ,		85
TOTAL REQUEST		[		1,500
TOTAL REQUEST (ROUNDED)		ļ		1,500
			ļ	
	1			
	1	1 (		. 1

10. Description of Proposed Construction: Soil and foundation stabilization of existing hazardous waste storage facility to meet seismic standards. Project consists of injecting soil stabilizing zero slump grout to a depth of 35 feet under tank and container storage areas. Project will include modification of tank supports, enclosing the container storage areas, paving the yard and necessary support.

11. REQUIREMENT: As required.

4.18.56

PROJECT: Upgrade hazardous waste storage facility. (Current Mission)
REQUIREMENT: This is a Level I environmental compliance requirement.
This project is required to upgrade the existing hazardous waste storage facility to comply with criteria specified in the South Carolina Code of Regulation 104 - Hazardous Waste Management Location Standards; adopted 22 Feb 1991. Charleston AFB is considered a large quantity generator, and as such, they must store forty-two different hazardous waste materials until proper disposal can be arranged. This standard requires waste storage facilities to be capable of withstanding the stresses of the largest earthquake anticipated in their seismic zone to prevent release of hazardous waste into the environment.

CURRENT SITUATION: Hazardous waste at Charleston AFB is stored in a facility permitted in accordance with Part B of the implementing regulations of the Resource Reclamation and Conservation Act (RCRA). The facility consists of four 5,000 gallon tanks in concrete secondary containment and seven container storage areas with secondary containment. The South Carolina Department of Health and Environmental Control inspected the Charleston hazardous waste storage facility 29 Oct 92. During the inspection it was stated that the facility did not meet current seismic requirements and that the base would lose its Part B permit if the

	1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATE	TA	2. DA	TE
i	AIR FORCE (computer generated)		ļ.	
	3. INSTALLATION AND LOCATION  CHARLESTON AIR FORCE BASE, SOUTH CAROLINA			
	4. PROJECT TITLE	5. I	PROJECT	NUMBER
	UPGRADE HAZARDOUS WASTE STORAGE FACILITY	] 1	DKFX9530	80

situation was not remediated. If the Part B permit were terminated, the base would have to dispose of hazardous wastes within a 90 day period. This would increase the potential for open enforcement actions (OEAs) associated with having to remove hazardous wastes in such a short time period. Proper identification and labeling of chemicals and other hazardous wastes, and the required inspection of the packaging, can take over three months to accomplish, thus increasing the potential of OEAs, fines, and adverse publicity for this base. Storage and disposal of contaminated jet fuel and oil in four 5,000 gallon tanks, as opposed to numerous smaller capacity tanks, is much easier to manage as it is less labor intensive for base environmental managers and state inspectors. Replacing the 5,000 gallon tanks will not significantly reduce the cost of this request as the compaction, grouting, and soil borings required at this site will remain the same, which is the majority of the project cost. IMPACT IF NOT PROVIDED: Due to the complexity and heavy regulation of hazardous waste management, exceeding 90 day storage prior to disposal is very probable and could result in Notices of Violation (NOVs) and fines of up to \$25,000 per day per citation. The South Carolina Department of Environmental Health and Control inspected the Charleston hazardous waste storage site and stated the facility did not meet current seismic requirements and that the base would lose its Fart B permit if violations were not remediated.

ADDITIONAL: There is no criteria, cope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.

. COMPONENT	COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	ra	
IR FORCE	(computer generated)		
. INSTALLAT	ON AND LOCATION		
HARLESTON A	IR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE		5. PROJECT NUMBER	
UPGRADE HAZARDOUS WASTE STORAGE FACILITY		DKFX953008	
TORADE HAZAI	COOS WASIL SIGNAGE TACIEITI	DAL	X333000
2. SUPPLEM	ENTAL DATA:		
- Parisa	and Danian Datas		
a. Estima	ced Design Data:		
(1) S	atus:		
	Date Design Started		93 JUL 0
	Parametric Cost Estimates used to develop	costs	
	Percent Complete as of Jan 1994		35
	Date 35% Designed.		94 JAN 1
(e)	) Date Design Complete		94 OCT 1
(2) B	asis:		
(a)	Standard or Definitive Design -		NO
(ъ	) Where Design Was Most Recently Used -		N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):		(\$00
	Production of Plans and Specifications		9
	All Other Design Costs		5
	Total		14
(d)	) Contract		10
(e	In-house		4
(4) C	onstruction Start		95 JA
. Equipment	associated with this project will be provide	ed from	1
	riations: N/A		

1. COMPONENT						2	. DATE
F	Y 1995 MILITARY CO			ROJ	JECT DATA	<b>A</b>	
AIR FORCE	(compute				<del></del>		
3. INSTALLATION AN	+	İ	4. PR	OJE	ECT TITL	3	
CHARLESTON AIR FOR	CE BASE, SOUTH						
CAROLINA					ORMITORII		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJ	ECT N	UME	BER   8. I	PROJECT	COST(\$000)
				,			0.000
4.18.96	721-312		95301	4			9,900
	9. COS	r estima	TES			UNIT	COST
	7 TEM		1,,		QUANTITY		(\$000)
ALTER DORMITORIES	ITEM		LS	_	QUANTITI	C031	6,975
ALTERATION	(4U) .PM)		SF		81,500	۰	0 (6,520)
ENCLOSE STAIRWEL	T C		LS	- 1	01,300	°	(105)
CONVERT FLAT ROO	<del></del>		LS				( 350)
SUPPORTING FACILIT			153	-			1,480
UTILITIES	169		LS			1	( 300)
SITE IMPROVEMENT	s		LS	-		Ì	( 500)
FIRE SUPPRESSION			LS			İ	( 200)
ASBESTOS REMOVAL			LS			į	( 180)
SEISMIC	,		LS	-			( 300)
SUBTOTAL						İ	8,455
CONTINGENCY (10%)			1	١		}	846
TOTAL CONTRACT COS	T		- 1	Į			9,301
SUPERVISION, INSPE	CTION AND OVERHEAD	D (6%)	- }				558
TOTAL REQUEST			Ì				9,859
TOTAL REQUEST (ROU	NDED)		1				9,900
			]	1			}

10. Description of Proposed Construction: Demolition of existing interior partitions. Renovation to include new room-bath-room modules, laundries, storage, lounge areas, asbestos removal/disposal, converting flat roof to sloped roof. Also includes installation of exterior wall insulation, stairwell enclosure, and interior seismic shear walls. Grade Mix: 405 E1-E4.

11. REQUIREMENT: 1,844 PN ADEQUATE: 726 PN SUBSTANDARD:

PROJECT: Alter dormitories. (Current Mission)

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest. relaxation, and personal well being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: The three facilities to be upgraded were constructed in the 1950's. Inefficiencies include lack of privacy, inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems and central latrines. Facilities do not conform to current standards of seismic design. The current dormitory occupancy rate at this base is 98 percent.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economical analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo. Based on the net

Page No

AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION  CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	
4. PROJECT TITLE 5. PROJ	JECT NUMBER

values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Project has been considered for FY98 force structure end strength.

Page No

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	Z. DATE
AIR FORCE	(computer generated)	
3. INSTALLA	TION AND LOCATION	
CHADIESTON	AIR FORCE BASE, SOUTH CAROLINA	
4. PROJECT		5. PROJECT NUMBER
TROUBUL		
ALTER DORMI	TORIES	DKFX953014
12. SUPPLE	CENTAL DATA:	
a. Estim	ated Design Data:	
(1)	Status:	
	a) Date Design Started	93 JUL 01
(1	b) Parametric Cost Estimates used to develop	
(	c) Percent Complete as of Jan 1994 d) Date 35% Designed.	35%
(	d) Date 35% Designed.	94 JAN 14
(	e) Date Design Complete	94 SEP 01
(2)	Basis:	
(	a) Standard or Definitive Design -	МО
(1	o) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	a) Production of Plans and Specifications	594
	o) All Other Design Costs	346
	c) Total	940
	i) Contract	875
•	e) In-house	65
(4)	Construction Start	95 JAN
	nt associated with this project will be provide	ed from
other appro	oriations: N/A	
I		

1. COMPO		1995	4TI TT	ARY CO	JCTDIIC	ידורא ו	PROCE	AM	1	2. DA7	E	
AIR FORC	1	1993 1		puter s			TOOL	unn.				
	LLATION AND LO	CATIO		<u> </u>		MMAND			- 1	5. ARE	A CONS	
	H AIR FORCE BA				4. 00.22.0					COST INDEX		
DAKOTA		,			AIR C	OMBAT	COM	IAND	- 1	1.10		
6. PERSO	NNEL.	PI	ERMAN	ENT		UDENT:		SUPP	ORT			
STREN	-		ENL	CIV						CIV	TOTAL	
	30 SEP 93		5067	<del></del>							6,55	
b. End F			3643	1	119	10		1		1 5	4,97	
				ENTORY								
a. Total	Acreage: (	6,6	16)									
	tory Total As			EP 93)					4	417,24	3	
	rization Not									26,32		
	rization Requ				gram:					1,45		
	rization Incl					am:	(FY 1	.996)		,	0	
	ed In Next Th							-		53,10	0	
	ning Deficien		-	-						,	0	
h. Grand										498,11	.3	
	CTS REQUESTED	IN TH	IS PR	OGRAM:	FY 1	995	· · · · · · · · · · · · · · · · · · ·					
CATEGORY	•							COST	D	ESIGN	STATUS	
CODE	PROJ	ECT TI	<b>TLE</b>		5	COPE		(\$000)	, –	START	CMPL	
	<del></del>				_				_			
871-183	UPGRADE STOR	M DRAII	NAGE				LS	1,450	J	UN 93	MAR 9	
	<b>FACILITIES</b>						_					
	<del></del>					TOTAL		1,450	<u> </u>	<del></del>		
9a. Fut	ure Projects:	Incl	uded	in the	Follo	wing	Progr	am (FY	199	96) NO	DNE	
	ure Projects:					Three						
	UPGRADE HYDR		ELING	SYSTE			LS	17,200				
	USAF COMMAND			_	]	0,000		3,900				
411-135	IMPROVE UNDE		D FUE	L			LS	2,050	)			
610-000	CONSOLIDATED SUPPORT CEN	MANAG			4	1,650	SF	5,700	)			
841-161	ADD TO AND A			SUPPLY	4	5,200	LF	4,400	)			
10. Mis	sion or Major	Funct	ions:	A hor	nh wir	o whi	ch ir	cludes	+	R-1		
squadron	s; an AFSPACE	COM mi	ssile	wine	with c	one Mi	nuter	nan int	- CW	ontine	ntel	
ballisti	c missile squ	adron a	and H	H-1 he	licont	PEG.	and s	n Air	Moh	ilitu	mual	
Command	air refueling	squad	ron (	KC-135	airci	eft)	311W C		1100			
11. Out	standing poll	ution	and s	afety	(OSH)	defic	ienci	es:			<del></del>	
	_			-								
<b>a</b> .	Air pollution									1,500		
b.	Water pollut									8,500		
c.	Occupational	safet	y and	healtl	h:					1,100		
d.	Other Environ	nmenta	1:							1,500	)	

2. DATE COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE UPGRADE STORM DRAINAGE ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA FACILITIES 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 871-183 FXBM992500 1,450 2.74.56C 9. COST ESTIMATES COST UNIT ITEM U/M QUANTITY COST (\$000) 550 UPGRADE STORM DRAINAGE FACILITIES 760 SUPPORTING FACILITIES 400) LS CORRECT CROSS-CONNECTIONS INSTALL EROSION CONTROL CY 8,000 45 360) SUBTOTAL 1,310 CONTINGENCY (5%) 66 TOTAL CONTRACT COST 1,376 SUPERVISION, INSPECTION AND OVERHEAD (62) 83 1,459 TOTAL REQUEST TOTAL REQUEST (ROUNDED) 1,450

10. Description of Proposed Construction: Install pollution control structures to channel and divert only storm water runoff to the existing storm water detention basin, correct sanitary and storm sewer cross connections. Provide erosion control for existing detention basin and outfall locations.

11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage facilities. (Current Mission)
REQUIREMENT: This is a Level II environmental compliance requirement.
This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The storm water permit was issued on 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96.
Corrective actions are required to eliminate sources of pollutants to the storm drain. Installation of storm water pollution control structures will allow only storm water runoff to enter the existing storm water detention basin and eventually to Box Elder Creek. The base is required to certify that non-storm water discharges are not connected to the storm drainage system.

CURRENT SITUATION: The existing storm water detention basin receives storm water runoff from the flightline area of the base. There are presently no measures to prevent potential pollutant sources from mixing with storm water runoff and entering the detention basin. There are non-storm water discharges connected to the storm drainage system which are not allowed by the NPDES permit. The existing storm water detention basin requires erosion control in order to function properly.

IMPACT IF NOT PROVIDED: Ellsworth AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
	ON AND LOCATION	
ELLSWORTH AIR	FORCE BASE, SOUTH DAKOTA	
4. PROJECT TI	TLE 5.	PROJECT NUMBER
UPGRADE STORM	DRAINAGE FACILITIES	FXBM992500

have the potential for fines up to \$25,000 per day per violation and could create adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does not meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."

. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
IR FORCE	(computer generated)	^
	TION AND LOCATION	<del></del>
LLSWORTH AT	R FORCE BASE, SOUTH DAKOTA	
. PROJECT 1		5. PROJECT NUMBER
PGRADE STOR	M DRAINAGE FACILITIES	FXBM992500
2. SUPPLEM	ENTAL DATA:	
a. Estima	ited Design Data:	
(1) \$	itatus:	
(8	) Date Design Started	93 JUN 24
	) Parametric Cost Estimates used to develop c	
	e) Percent Complete as of Jan 1994	35%
	Date 35% Designed.	93 NOV 01
	e) Date Design Complete	94 MAR 20
(2) F	Basis:	
( a	) Standard or Definitive Design -	NO
(t	) Where Design Was Most Recently Used -	N/A
(3) 1	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a	) Production of Plans and Specifications	77
(b	All Other Design Costs	39
•	) Total	116
-	) Contract	77
(e	) In-house	39
(4)	onstruction Start	95 JAN
. Equipmen	t associated with this project will be provided riations: N/A	d from

12								10		
1. COMPONENT	, 1005 277	14 DU 50	10 mm · · ·		\n ^ ~-			2. DAT	E	
1	7 1995 MILIT				KUGF	LAM				
3. INSTALLATION AND I		puter						E APP	A CONTOR	
3. INSTALLATION AND I	LOCATION			MMAND		5. AREA CONST COST INDEX				
ADVOLD AND BODGE BACK	e werniedde		AIR FORCE							
ARNOLD AIR FORCE BASE			MATERIEL COMMAND STUDENTS   SUPPO					0.90		
6. PERSONNEL STRENGTH	OFF ENL	ENT		ENL				LCIV	TOTAL	
a. As of 30 SEP 93	69 53			ENL	C1 A	UFF	ENI	1 21	343	
b. End FY 1999	69 47							1 21	336	
D. ENG F1 1999		ENTORY		(snnn)	<u>}</u>	<del></del>		-1-54		
a. Total Acreage: (		<u> DNIONI</u>	211111	1,000	<u> </u>					
b. Inventory Total As		EP 93)					1	,141,32	R	
c. Authorization Not							• ;	2,40		
d. Authorization Requ			eram:					1,90		
e. Authorization Inc.				am:	(FY 1	996)		8,95		
f. Planned In Next Ti						.,,,,,		11,90		
g. Remaining Deficien								,_	0	
h. Grand Total:	- , -						1	,166,47	•	
8. PROJECTS REQUESTED	D IN THIS PR	OGRAM:	FY	995						
CATEGORY						COST	. 1	DESIGN	STATUS	
CODE PRO	JECT TITLE		9	COPE		(\$000		START	CMPL	
			-				_			
422-257 HAZARDOUS WA	ASTE/MATERIA	AL.	1	18,000	SF	1,90	0 1	MAY 93	SEP 94	
STORAGE FAC	CILITY			•	_					
<u> </u>				TOTAL		1,90				
9a. Future Projects	: Included	in the	Follo	owing 1	Progr	ram (F	Y 19	996)		
130-142 UPGRADE FIRE	E PROTECTION	1			LS	3,75	0			
SYSTEMS										
318-614 UPGRADE ENG		CILITY			LS	5,20	0			
REFRIGERAT	ION SYSTEM						_			
		<del></del>		TOTAL		8,95	0			
9b. Future Projects							_			
219-944 BASE MAINTER				24,960		•				
318-614 UPGRADE ENG	INE TEST FAC	TLITY			LS	8,90	U			
DUCTING	- F		1 4 8-	<del></del>						
10. Mission or Major	runctions:	Arno	ra Eng	gineer:	ing I	.j	pmei	nc Cent	er	
which conducts resear of aerospace system a	con, develoj	MENE,	cestli	ig, and	u eva	118C1	on :	in supp	ort	
rocket engine test co	acquisition. alle cases		tion 1	sk OI V	MILIG	runne	:IS,	jet ar	id 	
ranges is the larges			CION (		rs, s	ina ny	peri	narrist	.10	
11. Outstanding pol	lution and	afety	(420)	defic	iona	65:				
destanding por	ructon and s	arecy	(0311)	delic.	renc.	les.				
a. Air pollution	on:							2,000	)	
b. Water pollu								7,350		
c. Occupational		i healt	h:					ייני, ז רייני, ז	, )	
d. Other Enviro			<del>-</del>					5,200	, )	
								٠, ٢٥١	,	
l										
1										
1										
1										

									2	DATE		
1. COMPONENT	E-1	7 1995 MILITARY CO	NCTRIC	r t on	PRO	TECT	DATA		2.	DATE		
AIR FORCE		(compute			_	,0201	2	•				
3. INSTALLATI	ON ANI					JECT T	ITLE					
				HAZ	ARDO	DUS WA	STE/	MATE	RIAL	•		
ARNOLD AIR FO	RCE BA	ASE, TENNESSEE				FACI						
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PRO.	JECI	. NUI	1BER	8. P	ROJE	CT C	OST(\$000)		
						1						
7.80.56		422-257	ANZ				<del></del>			1,900		
		9. COS.	ESTIM	AIES		<del></del>	<del></del> i	UNI	r	COST		
		ITEM			II /M	QUANT	יד די     עיד זי			(\$000)		
HAZARDOUS WAS	TE /MA'	TERIAL STORAGE			0/11	QUILLE		000		\00007		
FACILITY	12/121			j	SF	18,0	00		82	1,476		
SUPPORTING FA	CILIT	IES		]			1			235		
UTILITIES					LS		Ì			( 75		
PAVEMENTS/C	IATIO	NMENT PAD			LS		ļ		( 100			
SITE IMPROV	EMENT:	S			LS					( 50		
DEMOLITION				- {	SF	8	100		13	(10		
SUBTOTAL	·					İ				1,711		
CONTINGENCY (		<b></b>					1		Ì	$\frac{86}{1,797}$		
TOTAL CONTRAC		I CTION AND OVERHEAD	1691	l						1,797		
TOTAL REQUEST		CITON AND OVERHEAD	(0%)							$\frac{108}{1,905}$		
TOTAL REQUEST		NDED)				ļ				1,900		
	(1.00)	··· •		ļ						-,		
ı									Ì			
						[						
						}	- 1					

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, pre-engineered insulated metal building with sloped roof. Includes segregation barriers, office and support space, loading dock, containment pad, access and necessary support. Demolish one building. Air Conditioning: 2 Tons.

11. REQUIREMENT: 26,170 SF ADEQUATE: 7,860 SF SUBSTANDARD: 1,120 SF PROJECT: Construct a hazardous waste/material storage facility. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. An environmentally safe hazardous waste and material storage facility is needed to correct a deficiency identified in a 1992 External Environmental Compliance Assessment and Management Program (ECAMP) audit, which cited a violation of 40 CFR 761.65 (b) (1) (iv). A storage facility is required which meets all government standards for storage of both hazardous materials and hazardous wastes. Standards are included in the Resource Conservation and Recovery Act (RCRA) and the Toxic Substances Control Act (TSCA). This facility will be used for long term storage of hazardous wastes.

CURRENT SITUATION: The only two buildings which are permitted for storage of RCRA regulated hazardous wastes were constructed as rocket storage facilities and are located within quantity-distance safety zones for existing explosive storage. The larger building is not suited for storage of TSCA regulated substances such as polychlorinated byphenyl (PCB) because of seams in the floor. This deficiency was identified in the 1992 External ECAMP audit described above. The other building is configured so that access to one leaking drum may necessitate moving over 100 drums before repackaging can begin. The hazardous waste storage yard is a solid

1	ARY CONSTRUCTION PROJECT DATA omputer generated)	'E
3. INSTALLATION AND LOCATION		
ARNOLD AIR FORCE BASE, TENNES	EE	
4. PROJECT TITLE	5. PROJECT N	UMBER

HAZARDOUS WASTE/MATERIAL STORAGE FACILITY

ANZY963003

waste management unit subject to RCRA corrective action rules since previous spills have resulted in contamination of surrounding soils. Also, the outside area is constructed of gravel without berms, in violation of new Clean Water Act (CWA) rules for control of potential hazardous material/waste runoff into surface waters.

IMPACT IF NOT PROVIDED: Storage of hazardous wastes at this base will be out of compliance with RCRA, TSCA and CWA regulations. Contamination of the environment will continue, subjecting the base and the Air Force to litigation and possible fines.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

R FORCE INSTALL	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
	(computer generated)	
	ATION AND LOCATION	
NOLD AIR	FORCE BASE, TENNESSEE	
PROJEC1	TITLE 5. PR	OJECT NUMBER
ZARDOUS	WASTE/MATERIAL STORAGE FACILITY AN	ZY963003
. SUPPI	EMENTAL DATA:	
a. Esti	mated Design Data:	
(1)	Status:	
	(a) Date Design Started	93 MAY 28
	(b) Parametric Cost Estimates used to develop costs	Y
	(c) Percent Complete as of Jan 1994	352
	(d) Date 35% Designed.	93 DEC 20
	(e) Date Design Complete	94 SEP 01
(2)	Basis:	
	<ul><li>(a) Standard or Definitive Design -</li><li>(b) Where Design Was Most Recently Used -</li></ul>	NO N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	110
	(b) All Other Design Costs	70
	(c) Total	180
	(d) Contract	
	(e) In-house	180
(4)	Construction Start	94 DEC
Equipm her appr	ent associated with this project will be provided fro	m

1. COMPONENT			<del></del>	<del></del>			1	2. DAT	TE .
I	r 1995 MILITA	אצע כחו	JCTDIIC	י אסזיי	PROCE	AM	- 1	Z. DAI	ع.
AIR FORCE		uter				~~.			
3. INSTALLATION AND I				MMAND			一十	5. ARF	A CONST
J. 11011101111011111011			AIR F			COST INDEX			
KELLY AIR FORCE BASE	TEXAS		1	RIEL C	Ì	0.87			
6. PERSONNEL	PERMANE	ENT		UDENT			PORT		<u> </u>
STRENGTH	OFF ENL							CIV	TOTAL
a. As of 30 SEP 93	875 3879								20,997
b. End FY 1999	803 3417					_ 1		7 12	17,704
	7. INVI	ENTORY	DATA	(\$000	)				
a. Total Acreage: (	4,703)								
b. Inventory Total As	of: (30 SI	EP 93)						478,45	0
c. Authorization Not								42,29	
d. Authorization Requ	iested In Thi	is Prop	gram:					8,95	
e. Authorization Inc.				am:	(FY 1	1996)		18,46	
f. Planned In Next Ti		Years	:					50,79	
g. Remaining Deficies	ncy:								0
h. Grand Total:		. 45						<u>598,94</u>	4
8. PROJECTS REQUESTED	D IN THIS PRO	JGRAM:	FY I	1995			_	D0 7 6	Am + ====
CATEGORY	1245 ATAL D			.copp		COST			STATUS
CODE PRO.	JECT TITLE		3	COPE		(\$000	2	START	<u>CMPL</u>
121-122 UPGRADE HYDI SYSTEMS	RANT FUELING				LS	3,70	0 т	URN KE	ΣΥ
721-312 ADD TO AND	אודבס המסאודי	עמר		136	DN	2 25	n w	AD Q3	SEP 94
832-266 UPGRADE SAN	TADV CEMED I	INFC		70 UUU 120	rn tr	3 00	0 M 0 T	מע מסוני בע מסוני	DEF 74 V
032-200 UPGRADE SAN	ITARI SEWER I	LINES	•	TOTAL				UKN KE	21
9a. Future Projects	: Included	in the	Follo					96)	
211-152 C-17 COMPOS				55,000				707	
FACILITY (			•	,,,,,,,		٥, .٠	•		
610-249 WING HEADQUA		ITY	:	20,000	SF	3,24	4		
730-772 ADD TO AND				•	LS	72			
832-266 REPLACE SAN	ITARY SEWER 1	LINES		40,000	LF	3,10	0		
871-183 UPGRADE STO	RM DRAINAGE S	SYSTEM		8,800	LF	6,00	0		
				TOTAL		18,46	4		
9b. Future Projects									
113-321 ADD TO AIRC			4	40,900		•			
211-116 RENOVATE DE	POT MAINTENAL	NCE			LS	6,00	0		
HANGAR	ATTON 00000						^		
211-254 ALTER VENTI		•			LS	5,00	U		
	RHAUL FACILI				~~	2 22	^		
	EQUIP WHSE DI DISTRIBUTION		•	13,000					
SYSTEM					LS ———	3,10			
10. Mission or Major	r Functions:	San	Anton:	lo Air	Log:	istics	Cen	ter wh	nich
is responsible for le	ogistics mana	agemen	t, su	port,	and	depot	-lev	rel	
maintenance of B-52,	C-3, C-9, C	-1/, T	-37, :	r-38,	and :	г-41 а	ircr	aft, a	ind
all fuels and TF39/T	po/fluu engi:	nes; a	n Air	Natio	nal (	Juard	righ	ter gr	coup
(F-16 squadron); an	air Force Res	serve	airlii	t win	<b>g</b> (C.	-5 air	craf	t);	ā
Headquarters Air Ford	ce intelliger	nce Col	mmand	Air	rorce	e News	Age	ncy; a	ind
Joint and Air Force	riectronic Ma	ariare	cente	ers.					

1. COMPONE	E	1995		ARY CO			PROGR	AM	;	2. DA1	CE.
3. INSTALL	ATION AND L		ON		4. CC	MMAND		'D	!	COS	A CONST
KELLY AIR  6. PERSONN			PERMAN	CMT		UDENT			SUPPORTED		87
STRENGT		OFF		CIV	OFF					CIV	TOTAL
a. As of	1	UFF	ENL	CIV	OFF	ENL	C14	OFF	ENL	CIA	TOTAL
b. End FY		1								1 1	
D. Eliu Fi		<del> </del>	7. INV	ENTORY	DATA	(ennn	<del>├</del> -			<b></b>	<del></del>
a. Total A			. 1111	DIVIONI	DAIA	19000					
	reage. ry Total As	Of.									
			. 7								
	zation Not										
	zation Requ										
	zation Incl					am:					
	In Next Th		rogram	rears	:						
	ng Deficien	cy:									
h. Grand T					(00)		<del></del>				
11. Outst	anding poll	ution	and s	atety	(USH)	delic	1 enc 1	es:			
										7 500	
	ir pollutio									7,500	
	ter pollut								7	22,200	_
	cupational			healt	h:					(	
d. 0	ther Enviro	nmenta	11:							C	,
l,											

1. COMPONENT	<del></del>						2.	DATE
	Y 1995 MILITARY CO	ONSTRUCT	CION PRO	DJECT	DATA		_	
AIR FORCE (computer generated)								
3. INSTALLATION AL			4. PRO	JECT T	ITLE			<del></del>
			UPGRADI	E HYDR	ANT	FUEL	NG	
KELLY AIR FORCE BA	ASE. TEXAS		SYSTEMS	S				
	6. CATEGORY CODE	7. PRO	ECT NU	MBER	8. P	ROJE	T	COST(\$000)
		1		l				
7.80.56	121-122	MBPE	933050	l				3,700
		T ESTIM	TES					
					1	UNI'	r	COST
	ITEM		U/M	QUANT	ITY	COS	Γ	(\$000)
UPGRADE HYDRANT FI	JELING SYSTEMS		LS					2,700
SUPPORTING FACILIT	TIES		1		j			470
UTILITIES			LS		ļ			( 120)
PAVEMENTS			LS		- 1			( 30)
SITE IMPROVEMENT	rs		LS		1			( 70)
LEAK DETECTION	System		LS		1			(_250)
SUBTOTAL	į.		1			3,170		
CONTINGENCY (10%)				ļ				317
TOTAL CONTRACT COST					İ			3,487
SUPERVISION, INSPI	ECTION AND OVERHEA	D (6%)	1					209
TOTAL REQUEST				Į	l			3,696

10. Description of Proposed Construction: Install automatic leak detection system, pressure, flow, and safety devices, and refueling pumps on two hydrant fueling systems.

REQUIREMENT: As required.

TOTAL REQUEST (ROUNDED)

PROJECT: Upgrade hydrant fueling systems. (Current Mission)
REQUIREMENT: This is a Level I environmental compliance requirement. All existing pressurized piping, including hydrant fueling systems, were required to meet the leak detection requirements of the Texas Water Commission (TWC) underground storage tank rule 334.121-132 by 22 December 1990. TWC enforcement order, 23 March 1989, directs the base to have a method of detecting and preventing releases from underground pipelines. Reliable and environmentally safe hydrant fueling systems are required to refuel aircraft as large as the C-5. Upgrade of the existing systems is required to prevent fuel spills, to lessen the impact of spills, or to provide early detection of any spills which do occur. The alternative is to refuel from tank trucks which takes longer and increases possibility of spillage.

CURRENT SITUATION: Kelly Air Force Base utilizes hydrant fueling systems for fueling aircraft as large as the C-5; consequently, these systems are capable of delivering a large amount of fuel in a relatively short period of time. Two twenty-year-old systems are out of compliance with Texas Water Commission rules which require automatic leak detection on the underground portions to preclude leaks from going undetected. Over \$1.9 million has already been spent to investigate and remediate two previous breaks. The base is presently in the process of cleaning up ground water contaminated from one of the previous fuel spills. Presently, if a line ruptures, the pumps run until all the fuel is expended or until the pumps

3.700

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DAT  (computer generated)	'A	2. DA	ATE
3. INSTALLATI	ON AND LOCATION  CE BASE, TEXAS			
4. PROJECT TI		5.	PROJECT	NUMBER
UPGRADE HYDRA	NT FUELING SYSTEMS		MBPB9330	)50

are manually shut off. Addition of automatic shut off devices will eliminate this deficiency.

IMPACT IF NOT PROVIDED: The probability of ground water contamination of the environmentally sensitive aquifer due to fuel spills at this base will remain very high. The base will be subject to enforcement actions and fines of up to \$25,000 per day.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission and regulatory requirements; therefore, a formal economic analysis was not needed or performed. A certificate of exception has been prepared.

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	ΓA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	•
KELLY ATR FOR	CE BASE, TEXAS	
4. PROJECT TI		5. PROJECT NUMBER
	i	
UPGRADE HYDRA	NT FUELING SYSTEMS	MBPB933050
12. SUPPLEME	INTAL DATA:	
a. Estimat	ed Design Data:	
(1) Pr	oject to be accomplished by one step turn key	y procedures
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) De	sign Allowance	214
(4) Co	enstruction Start	94 DEC
	associated with this project will be provide iations: N/A	ed from

. COMPONENT							1	DATE
	FY	1995 MILITARY C				DJECT DAT	`A	
AIR FORCE		(compute	er gene					
3. INSTALLATION	n ani	LOCATION		4.	PRO.	JECT TITE	Æ	
CELLY AIR FORCE	E BAS	E, TEXAS					R DORMITO	
. PROGRAM ELEI	MENT	6. CATEGORY CODE	7. PRO.	JEC.	NU	ABER 8.	PROJECT (	COST(ŞUUU
- 00 0/		701 212	\ \van	2063	2/11			2 250
7.28.96		721-312	MBP T ESTIM					2,250
		9. 003	I ESTIM	AIE		<del></del>	UNIT	COST
		ITEM			II /M	QUANTITY		(\$000)
DD TO AND ALT	ED IV	DRMITORY (136 PN)			SF	28,650	1 0001	1,506
ADDITION		MILLOWI (130 1W)			SF		72	
ALTERATION					SF	25,300		-
SUPPORTING FAC	HITT	res				1		405
UTILITIES					LS	_	ļ ·	( 130
PAVEMENTS				1	LS		1 .	( 25
SITE IMPROVE	MENTS	3			LS			( 50
ASBESTOS REMO	OVAL				LS			( 80
COMMUNICATIO	NS SI	JPPORT			LS		]	( 25
DEMOLITION					SF	11,700	8	(95
SUBTOTAL				İ				1,911
CONTINGENCY (10%)								191
TOTAL CONTRACT COST								2,102
SUPERVISION, INSPECTION AND OVERHEAD (62)							}	126
TOTAL REQUEST	_						1	2,228
TOTAL REQUEST	(ROU	NDED)					ł	2,250

10. Description of Proposed Construction: Remodel interior partitioning to provide room-bath-room modules, exterior entrances and balconies; extend roofline and upgrade exterior; install cable TV system, upgrade laundry rooms and HVAC systems and provide necessary support. Demolish one building.

Grade Mix: 136 E1-E4.

11. REQUIREMENT: 1,219 PN ADEQUATE: 945 PN SUBSTANDARD: 192 PN

PROJECT: Add to and alter dormitory. (Current Mission)

<u>REQUIREMENT</u>: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that is conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy, are essential to the successful accomplishment of the increasingly complicated jobs these people must perform. Demolish one building with 11,700 SF.

<u>CURRENT SITUATION</u>: The building to be upgraded was constructed in the early 1950s with community latrines on each floor, and is deficient in living space, privacy, sound attenuation, convenience outlets, lighting, and insulation. Many occupants are shift workers who find that the traffic in the corridors make daytime sleep difficult or impossible to obtain.

IMPACT IF NOT PROVIDED: Substandard on-base living conditions will continue to degrade the morale, productivity and career satisfaction of the enlisted force.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction and revitalization. Based on the net present values and benefits of the

. COMPONENT	FY 1995 MILITARY	CONSTRUCTION PR	OJECT DATA	2. DATE
IR FORCE		ter generated)	OODOI DAIA	
. INSTALLATIO	N AND LOCATION			
ELLY AIR FORCE	E BASE, TEXAS			
. PROJECT TIT			5.	PROJECT NUMBER
DD TO AND ALT	ER DORMITORY			MBPB943411
espective alteficient over	ernatives, revitaliz the life of the pro	ation was found ject.	to be the	most cost

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLAT	ON AND LOCATION	
PRILL ATD BOT	OF BARE TEVAC	
4. PROJECT T	RCE BASE, TEXAS	. PROJECT NUMBER
4. PROJECT I	TI DE	. I KOSLOI MOMBER
ADD TO AND A	TER DORMITORY	MBPB943411
12. SUPPLEM	ENTAL DATA:	
a. Estimat	ced Design Data:	
(1) S	ratus:	Í
1	) Date Design Started	93 MAR 29
	) Parametric Cost Estimates used to develop co	
	Percent Complete as of Jan 1994	30%
(d	Date 35% Designed.	93 NOV 15
	Date Design Complete	94 SEP 30
(0) 5	_•	
(2) B		NO
	) Standard or Definitive Design - ) Where Design Was Most Recently Used -	N/A
(0)	where besign was most necently used	N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a)	Production of Plans and Specifications	100
(ъ	All Other Design Costs	135
, , ,	Total	235
	Contract	111
(e)	) In-house	124
(4) C	onstruction Start	94 DEC
( , , )		74 DEC
		_
b. Equipment	associated with this project will be provided	from
otner appropi	riations: N/A	
		j

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE KELLY AIR FORCE BASE, TEXAS UPGRADE SANITARY SEWER LINES 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 832-266 MBPB953805 3.000 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) UPGRADE SANITARY SEWER LINES 40,000 1,520 SUPPORTING FACILITIES 1,050 EA MANHOLES 150 1,600 ( 240) **PAVEMENTS** LS 30) LS SITE IMPROVEMENTS 180) LS SOIL REMEDIATION 600) SUBTOTAL. 2,570 CONTINGENCY (10%) 257 TOTAL CONTRACT COST 2,827 SUPERVISION, INSPECTION AND OVERHEAD (6%) 170 TOTAL REQUEST 2,997 TOTAL REQUEST (ROUNDED) 3.000

10. Description of Proposed Construction: Excavate and replace sanitary sewer lines with PVC pipe, bedded and backfilled; repair pavements and restore site.

11. REQUIREMENT: As required.

PROJECT: Upgrade sanitary sewer lines. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. A sanitary sewage collection system in good working order is required to convey wastes to a connection point with the City of San Antonio for treatment. The system must not discharge untreated sewage into local aquifers consistent with a Texas Water Commission (TWC) compliance order dated 4 May 1989, which requires leaking lines to be repaired.

CURRENT SITUATION: There are approximately 200,000 feet of sanitary sewer lines on this base. Most of the pipe is over 40 years old and made of brittle vitrified clay, which is susceptible to cracking and breaking by shifting soil. Emergency repairs to the system are often necessary as the lines are badly deteriorated. This condition was confirmed by a recent inspection using television cameras inside the lines. All surveyed lines have been found to be in a deteriorated condition with many collapsed manholes. Cross connections exist between industrial waste water lines and sanitary sewer lines, leaving the potential of contaminating the sanitary sewage which is in violation of state and federal EPA regulations.

IMPACT IF NOT PROVIDED: Contamination of soil and aquifers will continue in violation of federal and state EPA regulations and the TWC compliance order. The potential exists for fines and penalties of up to \$10,000 per day if the lines are not repaired.

ADDITIONAL: There is no criteria/scope for this project in Part II of

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLAT	ON AND LOCATION	
KELLY AIR FOR	CE BASE, TEXAS	
4. PROJECT T	TLE	5. PROJECT NUMBER
UPGRADE SANIT	CARY SEWER LINES	MBPB953805

Military Handbook 1190, "Facility Planning and Design Guide". However, it does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". All reasonable alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	A?
AIR FORCE	(computer generated)	
. INSTALLAT	ON AND LOCATION	
	CE BASE, TEXAS	
4. PROJECT T	TLE	5. PROJECT NUMBER
UPGRADE SANIT	CARY SEWER LINES	MBPB953805
12. SUPPLEM	ENTAL DATA:	
a. Estimat	ed Design Data:	
(1) St		
	Date Design Started	93 MAY 2
(b)	Parametric Cost Elimates used to develop of	costs
	Percent Complete as of Jan 1994	355
	Date 35% Designed.	93 DEC 20
(e)	Date Design Complete	94 SEP 30
(2) Ba		
	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
	stal Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a)	Production of Plans and Specifications	170
	All Other Design Costs	160
	Total	330
	Contract	168
(e)	In-house	168
(4) Co	nstruction Start	95 MAI
o. Equipment	associated with this project will be provide iations: N/A	d from
other appropr	iations: N/A	d 110m

1 COMPONENT							2. DAT	
1. COMPONENT FY 1995 MILITA	פע כחו	אכידפוור	י ארוד	PACE	MAM		Z. DAI	E.
	uter s		_	ROOF	Car			
3. INSTALLATION AND LOCATION	,		MMAND				5. ARE	A CONST
3. 1101111111111111 120 120 120 120 120 12			DUCATI	ON			4 <sup>-</sup>	T INDEX
LACKLAND AIR FORCE BASE, TEXAS		1	RAINI		MMAND		0.	87
6. PERSONNEL PERMANE	NT	SI	UDENTS	3	SUP	POR'		
STRENGTH OFF ENL	CIV	OFF	ENL	CIV	OFF		CIV	TOTAL
			7086	93	11	3	72	15,939
b. End FY 1999   1746   4558			9102		11	3	72	18,581
7. INVĖ	NTORY	DATA	(\$000)	)				
a. Total Acreage: ( 6,726)								
b. Inventory Total As Of: (30 SE							424,26	
c. Authorization Not Yet In Inven							35,55	
d. Authorization Requested In Thi							5,20	_
e. Authorization Included In Foll			am: (	(FY ]	1996)			0
f. Planned In Next Three Program	Years	:					9,25	_
g. Remaining Deficiency:							171. 20	0
h. Grand Total: 8. PROJECTS REQUESTED IN THIS PRO	CDAM	FY 1	905				474,26	10
CATEGORY	JORAH .	rı ı	. 333		COST		DESIGN	CTATH
CODE PROJECT TITLE			COPE		(\$000	-	START	CMPL
11.00 80 - 11128		2	<u> </u>		14000	_	0114(1	OIII L
171-621 7-LEVEL TRAINING CLASSRO	OMS	1	1,400	SF	1,80	0 1	TURN KE	Y.
721-312 ALTER RECRUIT DORMITORY			1,000		3,40			JUN 94
			TOTAL	_	5,20	_		
9a. Future Projects: Included i	n the	Follo	wing l	Progr	am (F	Y 1	996) NC	NE
9b. Future Projects: Typical Pl	anned	Next	Three	Year	rs:			
171-476 COMBAT ARMS TRAINING FAC	ILITY		6,100		4,20	0		
171-621 DETECTOR DOG TRAINING		1	9,300	SF	1,65	0		
CLASSROOM								
871-183 UPGRADE STORM DRAINAGE S			<del></del>	<u>LS</u>	<u>3,40</u>			
10. Mission or Major Functions:								
Military Training School, and sec	urity	borre	e, cry	yptog	graphi	C m	aintena	ince,
recruiting, and social actions co Language Center; DoD Military Wor	urses	; Dere	nse La	angua	age in	Sti	tute En	glish
Air Forces Academy, and a major A	ir Fo	nog 11	dical	Z Age	ency;	Int	er-Amer	can
11. Outstanding pollution and sa								
21. outstanding politicism and 35	irecy	(0511)	derre.	i enc.	163.			
a. Air pollution:							0	) )
b. Water pollution:							Č	
c. Occupational safety and	healti	h:					Ğ	
d. Other Environmental:							0	
							•	,

1. COMPONENT		. 1005 WILTER	ADV CO	NICTRIIC'	***	ממ	ን፣ሮሮሞ ኮል	A.T.	2.	DATE
AIR FORCE	r)	(cc		r gene			JJECI DA	IA		
3. INSTALLATI	ON ANI	LOCATION	- <u>-</u>		4. I	PROJ	JECT TIT	LE		
LACKLAND AIR							TRAINI			
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7. PRO	JECT	NU	IBER 8.	PROJEC	CT C	OST(\$000)
8.57.96		171-621		MPL	<u> </u>	227				1,800
		9	. COST	ESTIM	ATES					
1		ITEM				U/M	QUANTIT	Y COST	<u>ነ</u>	COST (\$000)
7-LEVEL TRAIN SUPPORTING FA		LASSROOMS			!	SF	11,400		15	1,311

7-LEVEL TRAINING CLASSROOMS	SF	11,400	115	1,311
SUPPORTING FACILITIES			Ì	325
UTILITIES	LS	İ		( 110)
SITE IMPROVEMENTS	LS			( 100)
PAVEMENTS	LS			( 65)
COMMUNICATIONS SUPPORT	LS		l	( <u>50</u> )
SUBTOTAL				1,636
CONTINGENCY (5%)		]		82
TOTAL CONTRACT COST				1,718
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>103</u>
TOTAL REQUEST		ļ		1,821
TOTAL REQUEST (ROUNDED)		ļ		1,800
		ĺ		ł
			)	
10 Persiani Grand				

10. Description of Proposed Construction: Concrete foundation, brick structure with standing seam metal roof providing classroom space, instructor space, and other supporting space.

Air Conditioning: 20 Tons.

11. REQUIREMENT: 240,374 SF ADEQUATE: 187,929 SF

SUBSTANDARD: 41,045 SF

PROJECT: Construct 7-level training classrooms. (New Mission)

REQUIREMENT: Provide facilities to implement formal advanced training (7-Level Training) to E-5s and E-6s in preparation for advancement to E-7. This requirement is an initiative resulting from CSAF's Year of Training objective to improve the quality of education for Air Force personnel by standardizing a coherent set of training concepts and procedures. This project will provide classrooms, instructor space, and other supporting space to conduct formal 7-level training in 24 different courses. This 7-level training will increase Lackland AFB's average daily student load (ADSL) by 453 students; increase number of students taught per year by over 4000; and require an additional 80 instructors.

CURRENT SITUATION: Formal training in preparation for E-7 level positions and responsibilities is not currently available for all E-5 and E-6 personnel in all career fields. Although some personnel have the opportunities for adequate training, many receive on-the-job training and individual course work which is not consistent or coordinated across the Air Force. The CSAF's Year of Training initiative is aimed at correcting this problem and making quality training available for all E-5 and E-6 personnel in all career fields. This training will formalize the training and help transition personnel from apprentice level to journeyman level responsibilities. Existing facilities are not available at Lackland AFB

1. COMPONENT AIR FORCE		CONSTRUCTION PROJECT ter generated)	DATA	2. DA	ATE
3. INSTALLAT	ON AND LOCATION  FORCE BASE, TEXAS				
4. PROJECT T			5.	PROJECT	NUMBER
7-LEVEL TRAIL	ING CLASSROOMS			MPLS953	227

to provide adequate classroom space for 7-level training courses. Even though recruit accessions have gone down in recent years, Lackland AFB has consolidated functions with the Fix Lackland program. Many previously occupied substandard facilities (wood framed) have been demolished. In addition, Lackland is gaining a 1552 ADSL from missions relocated by the closure of Lowry AFB, Chanute AFB, and over 100 ADSL from other Year of Training initiatives. As a result, all excess at the installation has been consumed and there is no space available to implement the 7-level training requirement.

IMPACT IF NOT PROVIDED: The 7-level training program will not be able to be implemented at Lackland AFB. This will prevent the Air Force from further consolidating education functions at the base, or achieving program objectives. Making these important improvements in the quality of training for E-5 and E-6 personnel will be impossible.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.

. COMPON	FY 1995 MILITARY CONSTRUCTION PROJECT	DATA 2. DATE
IR FORCE INSTAL	(computer generated)  LATION AND LOCATION	
A GUZZ AND	AVD BODGE DAGE TEVAS	
. PROJEC	AIR FORCE BASE, TEXAS T TITLE	5. PROJECT NUMBER
_1 51/51 41	RAINING CLASSROOMS	MPLS953227
-FEAST 11	RAINING CLASSROOMS	Mr E3333227
2. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Project to be accomplished by one step turn	key procedures
(2)	Basis:	
	<ul><li>(a) Standard or Definitive Design -</li><li>(b) Where Design Was Most Recently Used -</li></ul>	NO N/A
(3)	Design Allowance	61
. Equip	Construction Start  ment associated with this project will be provropriations: N/A	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	94 DEG
. Equip	ment associated with this project will be prov	
. Equip	ment associated with this project will be prov	

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS ALTER RECRUIT DORMITORY 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) MPLS933054 3,400 721-312 8.57.96 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM SF 209,500 2.933 ALTER RECRUIT DORMITORY (1000 PN) 2,933 SUBTOTAL 293 CONTINGENCY (10%) 3,226 TOTAL CONTRACT COST 194 SUPERVISION. INSPECTION AND OVERHEAD (6%) 3.420 TOTAL REQUEST 3,400 TOTAL REQUEST (ROUNDED) 10. Description of Proposed Construction: Reconfigure dining, kitchen and laundry space for a more efficient operation. Replace wall, floor, and ceiling finishes. Upgrade the facility's structural, electrical and mechanical systems. Air Conditioning: 150 Tons. Grade Mix: 1000 E1-E4. 11. REQUIREMENT: 8,000 PN ADEQUATE: 3,000 PN SUBSTANDARD: 5,000 PN PROJECT: Alter a recruit dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide recruits with facilities conducive to their proper housing, dining, and training. A properly designed and furnished facility is essential to successfully train our future Air Force personnel. Existing recruit housing and training (RH&Ts) facilities were designed to meet this objective by providing housing, dining, and classroom space in one facility in an effort to develop teamwork, discipline, and camaraderie among the This project is part of the Fix Lackland program. CURRENT SITUATION: The existing building was constructed in 1968. The mechanical, electrical, lighting, and interior finishes are at the end of their useful life and need replacement. The facility is also outdated and inadequate to meet the current standards for recruit housing, training, and food service. The food preparation, serving area, and laundry area layouts are functionally inefficient and need to be altered to improve efficiency and accommodate new equipment. IMPACT IF NOT PROVIDED: The training mission of the Basic Military Training School will continue to be degraded by the condition of this facility. Failures in the mechanical and electrical systems will increase as they are used beyond their useful life. The cost of operations and

maintenance to the facility will also escalate as needed repairs are

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION	PROJECT DATA	2. DATE
AIR FORCE	(computer generated	)	
	ON AND LOCATION  FORCE BASE, TEXAS		
4. PROJECT T	TLE	5.	PROJECT NUMBER
ALTER RECRUIT	DORMITORY		MPLS933054

postponed.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". This project has been considered for FY98 force structure end strength.

FY 1995 MILITARY CONSTRUCTION PROJECT DA	
IR FORCE (computer generated)	ATA
. INSTALLATION AND LOCATION	
ACKLAND AIR FORCE BASE, TEXAS	·
. PROJECT TITLE	5. PROJECT NUMBER
LTER RECRUIT DORMITORY	MPLS933054
2. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	93 JUL 15
(b) Parametric Cost Estimates used to develop	costs
(c) Percent Complete as of Jan 1994	352
(d) Date 35% Designed.	93 DEC 10
(e) Date Design Complete	94 JUN 09
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a) Production of Plans and Specifications	202
(b) All Other Design Costs	70
(c) Total	272
(d) Contract	194
(e) In-house	78
(4) Construction Start	94 DEC
Equipment associated with this project will be provid	led from
ther appropriations: N/A	sea TIOM

COMPONENT   FY 1995 MILITARY CONSTRUCTION PROGRAM (computer generated)   Computer generated)   Computer generated   Computer generate
AIR FORCE   Computer Renerated   Computer Renerat
A. INSTALLATION AND LOCATION
AIR EDUCATION
REPPARD AIR FORCE BASE, TEXAS
S. PERSONNEL   PERMANENT   STUDENTS   SUPPORTED
STRENGTH
1. As of 30 SEP 93   666   2295   1050   332   3308   101   1   221   7,974   1. End FY 1999   679   2870   1515   430   5911   101   1   221   11,728      Total Acreage: ( 5,480)   2870   2870   2870   2870     Inventory Total As Of: (30 SEP 93)   284,499     Authorization Not Yet In Inventory:   24,260     Authorization Requested In This Program:   3,300     Authorization Included In Following Program: (FY 1996)   1,480     Planned In Next Three Program Years:   29,600     Remaining Deficiency:   0   343,139     Remaining Deficiency:   0   343,139     Remaining Deficiency:   0   343,139     Remaining Deficiency:   0   343,139     ROJECTS REQUESTED IN THIS PROGRAM: FY 1995   25000   2516N STATUS     CODE
11,728
7. INVENTORY DATA (\$000)  1. Total Acreage: ( 5,480) 2. Inventory Total As Of: (30 SEP 93) 2. Authorization Not Yet In Inventory: 24,260 3. Authorization Requested In This Program: 3,300 2. Authorization Included In Following Program: (FY 1996) 1,480 3. Pauthorization Included In Following Program: (FY 1996) 1,480 3. PROJECT IN THIS PROGRAM: FY 1995 3. PROJECT REQUESTED IN THIS PROGRAM: FY 1995 3. PROJECT REQUESTED IN THIS PROGRAM: FY 1995 3. PROJECT REQUESTED IN THIS PROGRAM: FY 1995 3. PROJECT REQUESTED IN THIS PROGRAM: FY 1995 3. PROJECT TITLE SCOPE (\$000) START CMPL 3. PROJECT TITLE SCOPE (\$000) START CMPL 3. Future Projects: Included in the Following Program (FY 1996) 3. Future Projects: Included in the Following Program (FY 1996) 3. Future Projects: Typical Planned Next Three Years: 10-000 REPAIR AIRFIELD LIGHTING 28,900 LF 1,480 3. RODE TOTAL: 1,480 3. RODE TO AND ALTER GROUP 16,100 SF 9,700 3. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 3. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 3. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 9,700 3. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 3. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 3. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 3. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 3. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 3. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING COMPLEX 169,600 SF 7,800 4. FUTURE PROJECT TRAINING
1. Total Acreage: ( 5,480) 2. Inventory Total As Of: (30 SEP 93) 2. Authorization Not Yet In Inventory: 2. Authorization Requested In This Program: 3,300 2. Authorization Included In Following Program: (FY 1996) 2. Authorization Included In Following Program: (FY 1996) 2. Authorization Included In Following Program: (FY 1996) 3. Authorization Included In Following Program: (FY 1996) 3. Planned In Next Three Program Years: 29,600 3. Remaining Deficiency: 3. Grand Total: 343,139 3. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995 3. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995 3. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995 3. PROJECT TITLE SCOPE (\$000) START CMPL 3. TOTAL: 3,300 3. Future Projects: Included in the Following Program (FY 1996) 3. Future Projects: Included in the Following Program (FY 1996) 3. Future Projects: Typical Planned Next Three Years: 3. PODE 3. Future Projects: Typical Planned Next Three Years: 3. ROM (RAMP) 3. Future Projects: Typical Planned Next Three Years: 3. ROM (RAMP) 4.1-621 ALTR MEDICAL TRAINING COMPLEX 169,600 SF 7,800 4.42-758 LOGISTICS COMPLEX 154,000 SF 9,700 5. Future Projects: Typical Planned Next Three Years: 3. ROM (RAMP) 4.1-621 ALTR MEDICAL TRAINING COMPLEX 169,600 SF 9,700 5. Future Projects: Typical Planned Next Three Years: 3. ROM (RAMP) 4.2-758 LOGISTICS COMPLEX 169,600 SF 9,700 5. Future Projects: Typical Planned Next Three Years: 4. Authorization Program; a medical services training group: and a field training group: 4.1-621 ALTR medical regimeering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and training group: and a field training group: and a field training group: 4.1-621 ALTR medical regimeering a medical services training group: and a field training group: 4.1-758 ALTR MEDICAL TRAINING COMPLEX 169,600 SF 7,800 4.2-758 LOGISTICS COMPLEX 169,600 SF 7,800 4.2-758 LOGISTICS COMPLEX 169,600 SF 7,800 4.2-758 LOGISTICS COMPLEX 169,600 SF 7,800 4.2-758 LOGISTICS COMPLEX 169,600 SF 7,800 4.2-758 LOGISTICS COMPLE
284,499 2. Authorization Not Yet In Inventory: 24,260 3. Authorization Requested In This Program: 3,300 2. Authorization Included In Following Program: (FY 1996) 3, Remaining Deficiency: 3,29,600 3, Remaining Deficiency: 3, PROJECTS REQUESTED IN THIS PROGRAM: 3, PROJECTS REQUESTED IN THIS PROGRAM: 3, PROJECTS REQUESTED IN THIS PROGRAM: 4, PROJECT TITLE 5, PROJECT TITLE 5, PROJECT TITLE 5, PROJECT TITLE 5, PROJECT TITLE 6, PROJECT TITLE 7, LEVEL TRAINING CLASSROOMS 1, 1, 480 1, 1, 480 2, Future Projects: Included in the Following Program (FY 1996) 1, 480 2, Future Projects: Included in the Following Program (FY 1996) 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 1, 480 2, Future Projects: Typical Planned Next Three Years: 2, 5, 500 2, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,
Authorization Not Yet In Inventory:  Authorization Requested In This Program:  Authorization Included In Following Program: (FY 1996)  Authorization Included In Following Program: (FY 1996)  Authorization Included In Following Program: (FY 1996)  Authorization Included In Following Program: (FY 1996)  Remaining Deficiency:  Authorization Included In Following Program: (FY 1996)  AUTHORIZATION COST ON AUTHORIZATION OF AUTHORIZAT
Authorization Requested In This Program:  Authorization Included In Following Program: (FY 1996)  Authorization Included In Following Program: (FY 1996)  Authorization Included In Following Program: (FY 1996)  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Deficiency:  Remaining Main Status  COST DESIGN STATUS  TOTAL: 3,300  JUN 93 SEP 94  TOTAL: 3,300  RESIGN STATUS  COST DESIGN STATUS
a. Authorization Included In Following Program: (FY 1996) 1,480 c. Planned In Next Three Program Years: 29,600 c. Remaining Deficiency: 0 c. Grand Total: 343,139 c. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995 c. CODE PROJECT TITLE SCOPE (\$000) START CMPL code PROJECT TITLE COST COST COST COST COST COST COST COST
F. Planned In Next Three Program Years:  29,600  R. Remaining Deficiency:  343,139  B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995  CATEGORY  CODE  PROJECT TITLE  SCOPE  (\$000)  TOTAL:  3,300  B. Future Projects: Included in the Following Program (FY 1996)  36-664 UPGRADE AIRFIELD LIGHTING  RAMP)  CODE  PROJECT TYPICAL TOTAL:  1,480  TOTAL:  1,480
343,139 3. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL  171-621 7-LEVEL TRAINING CLASSROOMS 3,300 Da. Future Projects: Included in the Following Program (FY 1996) 136-664 UPGRADE AIRFIELD LIGHTING TOTAL: 1,480 Db. Future Projects: Typical Planned Next Three Years: 110-000 REPAIR AIRFIELD PAVEMENTS (RAMP) 171-621 ALTR MEDICAL TRAINING COMPLEX 154,000 SF 7,800 142-758 LOGISTICS COMPLEX 154,000 SF 9,700 1610-243 ADD TO AND ALTER GROUP 16,100 SF 8,300 HEADQUARTERS FACILITY 10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and 1-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint US Pilot Training Program; a medical services training group: and a field training group. 11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health: 0
CODE PROJECT REQUESTED IN THIS PROGRAM: FY 1995  CODE PROJECT TITLE SCOPE (\$000) START CMPL  171-621 7-LEVEL TRAINING CLASSROOMS 21,000 SF 3,300 JUN 93 SEP 94  TOTAL: 3,300  136-664 UPGRADE AIRFIELD LIGHTING 28,900 LF 1,480 TOTAL: 1,480  10-000 REPAIR AIRFIELD PAVEMENTS LS 3,800 (RAMP)  171-621 ALTR MEDICAL TRAINING COMPLEX 169,600 SF 7,800  1642-758 LOGISTICS COMPLEX 154,000 SF 9,700  1610-243 ADD TO AND ALTER GROUP 16,100 SF 8,300  HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health cience courses; a flying training wing with three squadrons (T-37 and 1-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint Jet Pilot Training Program; a medical services training group: and a field training group.  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0
CODE  PROJECT TITLE  SCOPE  (\$000)  START CMPL  171-621 7-LEVEL TRAINING CLASSROOMS  TOTAL:  3,300  R. Future Projects: Included in the Following Program (FY 1996)  136-664 UPGRADE AIRFIELD LIGHTING  TOTAL:  1,480  Ph. Future Projects: Typical Planned Next Three Years:  110-000 REPAIR AIRFIELD PAVEMENTS  (RAMP)  171-621 ALTR MEDICAL TRAINING COMPLEX  169,600 SF 7,800  442-758 LOGISTICS COMPLEX  154,000 SF 9,700  1610-243 ADD TO AND ALTER GROUP  HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health incience courses; a flying training wing with three squadrons (T-37 and 1-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint Det Pilot Training Program; a medical services training group; and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0
CODE PROJECT TITLE SCOPE (\$000) START CMPL  171-621 7-LEVEL TRAINING CLASSROOMS 21,000 SF 3,300 JUN 93 SEP 94  TOTAL: 3,300  136-664 UPGRADE AIRFIELD LIGHTING 28,900 LF 1,480  TOTAL: 1,480  10-000 REPAIR AIRFIELD PAVEMENTS (RAMP)  171-621 ALTR MEDICAL TRAINING COMPLEX 169,600 SF 7,800  1642-758 LOGISTICS COMPLEX 154,000 SF 9,700  1610-243 ADD TO AND ALTER GROUP 16,100 SF 8,300  HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and t-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group; and a field craining group.  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
TOTAL: 3,300  JUN 93 SEP 94  TOTAL: 3,300  JUN 93 SEP 94  TOTAL: 3,300  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 93 SEP 94  JUN 93  JUN 93  JUN 93 SEP 94  JUN 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 94  JUN 93 SEP 94  JUN 94  JUN 94  JUN 93 SEP 94  JUN
Pa. Future Projects: Included in the Following Program (FY 1996) 136-664 UPGRADE AIRFIELD LIGHTING 28,900 LF 1,480 TOTAL: 1,480  Bb. Future Projects: Typical Planned Next Three Years: 110-000 REPAIR AIRFIELD PAVEMENTS (RAMP) 171-621 ALTR MEDICAL TRAINING COMPLEX 169,600 SF 7,800 142-758 LOGISTICS COMPLEX 154,000 SF 9,700 1610-243 ADD TO AND ALTER GROUP HEADQUARTERS FACILITY 10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health accience courses; a flying training wing with three squadrons (T-37 and 1-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint Joint Joint Training Program; a medical services training group: and a field training group.  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
Pa. Future Projects: Included in the Following Program (FY 1996) 136-664 UPGRADE AIRFIELD LIGHTING 28,900 LF 1,480 TOTAL: 1,480  Bb. Future Projects: Typical Planned Next Three Years: 110-000 REPAIR AIRFIELD PAVEMENTS (RAMP) 171-621 ALTR MEDICAL TRAINING COMPLEX 169,600 SF 7,800 142-758 LOGISTICS COMPLEX 154,000 SF 9,700 1610-243 ADD TO AND ALTER GROUP HEADQUARTERS FACILITY 10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health accience courses; a flying training wing with three squadrons (T-37 and 1-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint Joint Joint Training Program; a medical services training group: and a field training group.  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
Pa. Future Projects: Included in the Following Program (FY 1996) 136-664 UPGRADE AIRFIELD LIGHTING  TOTAL:  1,480  Bb. Future Projects: Typical Planned Next Three Years: 110-000 REPAIR AIRFIELD PAVEMENTS  (RAMP)  171-621 ALTR MEDICAL TRAINING COMPLEX  154,000 SF 7,800  1610-243 ADD TO AND ALTER GROUP  HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and 1-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group; and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:
A Air pollution:  a. 3,900 LF 1,480  TOTAL:
TOTAL: 1,480  Pb. Future Projects: Typical Planned Next Three Years:  10-000 REPAIR AIRFIELD PAVEMENTS  (RAMP)  171-621 ALTR MEDICAL TRAINING COMPLEX  169,600 SF 7,800  442-758 LOGISTICS COMPLEX  154,000 SF 9,700  510-243 ADD TO AND ALTER GROUP  HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and 1-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint Met Pilot Training Program; a medical services training group: and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:
Ob. Future Projects: Typical Planned Next Three Years:  10-000 REPAIR AIRFIELD PAVEMENTS (RAMP)  171-621 ALTR MEDICAL TRAINING COMPLEX 154,000 SF 7,800  422-758 LOGISTICS COMPLEX 154,000 SF 9,700  1610-243 ADD TO AND ALTER GROUP 16,100 SF 8,300  HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and 1-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group: and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
(RAMP)  171-621 ALTR MEDICAL TRAINING COMPLEX 169,600 SF 7,800  1642-758 LOGISTICS COMPLEX 154,000 SF 9,700  1610-243 ADD TO AND ALTER GROUP 16,100 SF 8,300  HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and 1-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group; and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
(RAMP) 171-621 ALTR MEDICAL TRAINING COMPLEX 169,600 SF 7,800 1642-758 LOGISTICS COMPLEX 154,000 SF 9,700 1610-243 ADD TO AND ALTER GROUP 16,100 SF 8,300 HEADQUARTERS FACILITY 10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and 17-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group; and a field training group. 11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
ATT-621 ALTR MEDICAL TRAINING COMPLEX  169,600 SF 7,800  42-758 LOGISTICS COMPLEX  154,000 SF 9,700  1610-243 ADD TO AND ALTER GROUP  HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and T-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group; and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:
154,000 SF 9,700  10-243 ADD TO AND ALTER GROUP  HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and I-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group; and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:
HEADQUARTERS FACILITY  10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and T-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group; and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:
10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and T-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group; and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
maintenance, civil engineering, comptroller, transportation, and health science courses; a flying training wing with three squadrons (T-37 and T-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint Det Pilot Training Program; a medical services training group; and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
science courses; a flying training wing with three squadrons (T-37 and T-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint let Pilot Training Program; a medical services training group; and a field training group.  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
T-38 aircraft) that trains US and NATO pilots under the Euro-NATO Joint Jet Pilot Training Program; a medical services training group; and a field training group.  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:  0
Jet Pilot Training Program; a medical services training group; and a field training group.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:
a. Air pollution: b. Water pollution: c. Occupational safety and health:
a. Air pollution:  b. Water pollution:  c. Occupational safety and health:
a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0
b. Water pollution: 0 c. Occupational safety and health: 0
b. Water pollution: 0 c. Occupational safety and health: 0
c. Occupational safety and health:

	1. COMPONENT FY 1995 MILITARY CONSTRU	UCTION PROJECT DATA	
	AIR FORCE (computer ger	erated)	
	3. INSTALLATION AND LOCATION	4. PROJECT TITLE	
	SHEPPARD AIR FORCE BASE, TEXAS	7-LEVEL TRAINING CLASSROOMS	L
•	5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PR	OJECT NUMBER 8. PROJECT COST(\$000)	

VNVP943005 171-621 3,300 8.57.96 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM 7-LEVEL TRAINING CLASSROOMS 21,000 115 2,415 SUPPORTING FACILITIES 565 UTILITIES LS 200) SITE IMPROVEMENTS LS 150) LS 125) **PAVEMENTS** 90) LS COMMUNICATIONS SUPPORT 2,980 SUBTOTAL 149 CONTINGENCY (5%) TOTAL CONTRACT COST 3,129 SUPERVISION, INSPECTION AND OVERHEAD (6%) 188 3,317 TOTAL REQUEST TOTAL REQUEST (ROUNDED) 3,300

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry wall structure with metal roof system providing classroom space, instructor space and other supporting space.

Air Conditioning: 100 Tons.

11. REQUIREMENT: 733,000 SF ADEQUATE: 616,400 SF

SUBSTANDARD: 95,600 SF

PROJECT: Construct 7-level training classrooms. (New Mission)

REQUIREMENT: Provide facilities to implement formal advanced training to E-5s and E-6s in preparation for advancement to E-7 (7-Level Training). This requirement is an initiative resulting from CSAF's Year of Training objective to improve the quality of education for Air Force personnel by standardizing a coherent set of training concepts and procedures. This project will provide classrooms, instructor space, and other supporting space to conduct formal 7-level training in 24 different courses. This 7-level training will increase Sheppard AFB's average daily student load (ADSL) by 780 students; increase the number of students per year by almost 9000; and require an additional 105 instructors.

CURRENT SITUATION: Formal training in preparation for E-7 level positions and responsibilities is not currently available for all E-6 and E-7 personnel in all career fields. Although some personnel have adequate training, many receive on-the-job training and individual coursework, which is not consistent or coordinated Air Force wide. The CSAF's Year of Training initiative is aimed at correcting this problem and making quality training available for all E-5 and E-6 personnel in all career fields. This initiative will formalize the training and help transition personnel from apprentice level to journeyman level responsibilities. Currently, there are no existing facilities available at Sheppard AFB to provide

•	1. COMPONENT					2. DA	ATE
		FY 1995 MILITA	ARY CONSTRUCTION	PROJECT DA	TA		
	AIR FORCE		omputer generate	d)			
		ON AND LOCATION FORCE BASE, TEXAS					
•	4. PROJECT T		<del></del>		5. P	ROJECT	NUMBER
	7-LEVEL TRAIL	NING CLASSROOMS			V	NVP9431	005

adequate classroom space for 7-level training courses. Sheppard is gaining a 2,640 ADSL from missions relocated by the closure of Lowry AFB, Chanute AFB, and over 100 ADSL from requirements driven by other Year of Training initiatives. As a result, all excess space has been utilized and there is no space available to implement the 7-level training requirement. IMPACT IF NOT PROVIDED: The 7-level training will not be able to be implemented at Sheppard AFB. This will prevent the Air Force from further consolidating education functions at the base, or achieving program objectives. Making these important improvements in the quality of training for E-5 and E-6 Air Force personnel will be impossible. ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade, new construction, leasing) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	TA
AIR FORCE	(computer generated) ON AND LOCATION	
3. INSTALLATIO	JN AND LOCATION	
	FORCE BASE, TEXAS	
4. PROJECT TIT	TLE	5. PROJECT NUMBER
7-LEVEL TRAIN	ING CLASSROOMS	VNVP943005
12. SUPPLEMEN	NTAL DATA:	
a. Estimate	ed Design Data:	
(1) Sta		
	Date Design Started	93 JUN 09
	Parametric Cost Estimates used to develop	
	Percent Complete as of Jan 1994	15%
	Date 35% Designed.	94 APR 01
(e)	Date Design Complete	94 SEP 15
(2) Bas	sis:	
(a)	Standard or Definitive Design -	NO
(P)	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a)	Production of Plans and Specifications	190
	All Other Design Costs	90
• - •	Total	280
• - •	Contract	210
(e)	In-house	70
(4) Cor	nstruction Start	95 JAN
b. Equipment	associated with this project will be provide	ad fwam
other appropri	istions: N/A	ed r.com
-FFF-		

1 COMPONENT							12 24	
1. COMPONENT	1995 MILITARY COM	וומדפוור	י ארודי	ישרמ	MAC		2. DAT	E
AIR FORCE	(computer a			KOGI	CALT!			
3. INSTALLATION AND L			MMAND				5. ARE	A CONST
								T INDEX
FAIRCHILD AIR FORCE B	ASE, WASHINGTON	AIR C	OMBAT	COM	MAND		1.	11
6. PERSONNEL	PERMANENT	SI	UDENTS	3	SUP	POR'	TED	
STRENGTH	OFF ENL CIV	OFF	ENL	CIV	OFF	EN	L CIV	TOTAL
a. As of 30 SEP 93	562 3570 495		372	22				5,161
b. End FY 1999		116	80		1		1 15	4,744
	7. INVENTORY	DATA	(\$000	<u> </u>				
a. Total Acreage: (	6,060)						212 12	12
b. Inventory Total As							313,12 10,76	
d. Authorization Requ		ram:					3,85	
e. Authorization Incl			am: (	FY 1	1996)		35,45	
f. Planned In Next Th					,		28,60	
g. Remaining Deficien							,	0
h. Grand Total:							391,78	3
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY 1	995					
CATEGORY					COST			STATUS
CODE PROJ	ECT TITLE	<u> </u>	COPE		(\$000	<u>)</u>	START	CMPL
T .	TERIAL STORAGE		7,000	SF	1,40	0 .	JUL 93	AUG 94
FACILITY 871-183 UPGRADE STOR	M DRAINACE			LS	2,45	n	JUL 93	JUL 94
FACILITIES	II DIATINAGE			LJ	2,43		30F 33	JUL 3.
11101211120			TOTAL	: -	3,85	0		
9a. Future Projects:	Included in the	Follo					996)	
121-122 HYDRANT FUEL	ING SYSTEM		_	EA				
141-753 SQUADRON OPE			0,860		6,30			
141-753 SQUADRON OPE			0,860		•			
171-212 KC-135 FLIGH		2	1,500		,			
411-135 IMPROVE UNDE STORAGE TAN				LS	1,55	U		
SIURAGE IAN	<b>V2</b>		TOTAL		35,45	<u></u>		
9b. Future Projects:	Typical Planned	Next				<u> </u>		
131-111 COMMUNICATIO			8,000			0		
136-664 UPGRADE RUNW			.,	LS	4,00			
422-264 ALCM CONVENT STORAGE IGL	IONAL MUNITIONS		5	EA				
610-243 SURVIVAL TRA FACILITY	INING SUPPORT	4	2,300	SF	5,00	0		
610-249 WING HEADQUA		2	8,300	SF	5,40	0		
10. Mission or Major	Functions: An A	ir Con	bat Co	ommai	nd bon	ıb w	ing whi	ch
includes one B-52 squ	adron; two Air Mol	oility	Comma	and a	air re	fue	ling	
squadrons (KC-135 air	cratt); an Air Nat	tional	Guard	d ai	r refu	eli	ng wing	3
(KC-135 aircraft); an School (UH-1 helicopt	u the Air Educatio	on and	Train	nıng	Survi	val	Traini	ng
	ers). ution and safety (	(OSH)	defic	enc	ies:			<del></del>
a. Air pollutio	n·						,	
b. Water pollut							0	
	safety and health	n :					0	
d. Other Enviro		••					1,550	•
							1,550	•

1. COMPONENT FY 1995 MILITARY CONSTRU	CTION PROJECT DATA
AIR FORCE (computer general	erated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE HAZARDOUS MATERIAL STORAGE
FAIRCHILD AIR FORCE BASE, WASHINGTON	FACILITY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

2.75.96C 442-257 GJKZ920016 1,400 9. COST ESTIMATES

7. COS1 ESTIMAT	<u> </u>			
		OTTA NEW TOWN	UNIT	COST
ITEM		QUANTITY	COST	(\$000)
HAZARDOUS MATERIAL STORAGE FACILITY	SF	7,000	110	770
SUPPORTING FACILITIES	1	]		500
UTILITIES	LS	}		( 205)
SECURITY LIGHTING	LS		ı	( 50)
SITE IMPROVEMENTS	LS	[ :		( 40)
PAVEMENTS	LS	]		( 60)
DOCK LEVELERS AND HOLDING TANKS	LS	1		( 140)
DEMOLITION	SF	153	33	(5)
SUBTOTAL	- [			1,270
CONTINGENCY (5%)	ĺ			64
TOTAL CONTRACT COST	1	1		1,334
SUPERVISION, INSPECTION AND OVERHEAD (62)	1	•		80
TOTAL REQUEST	-			1,414
TOTAL REQUEST (ROUNDED)	- [	(		1,400
	1	]		1
	1			
	ı	1		

10. Description of Proposed Construction: Concrete foundation and floor slab, floor drains, CMU exterior walls, metal roof, fire walls separating flammable/combustible/acid storage compartments, noncombustible or fire resistant interior construction. Provide necessary environmental and safety features, dock levelers, holding tanks, roads, and parking. Includes demolition of one facility and all necessary support. Air Conditioning: 5 Tons.

11. REQUIREMENT: 7,000 SF ADEQUATE: 0 SUBSTANDARD: 4,654 SF PROJECT: Construct a hazardous material storage facility. (Current Mission)

REQUIREMENT: A facility for storing hazardous and flammable materials is required in accordance with special requirements in DOD Manual 4145.19. The facility must include provisions for safe storage of compressed gas cylinders, acids, and other chemicals. The facility must be sited no closer than fifty feet to an occupied building, must have a separate spill containment system which isolates potential spills from the sanitary sewer system, and must provide adequate ventilation, explosion proof electrical service, and fire protection safeguards.

CURRENT SITUATION: Hazardous material storage facilities are inadequate and do not comply with DOD criteria. Hazardous materials are presently stored in three separate facilities. One of these buildings is a wood frame structure which meets none of the prerequisites for the proper storage of combustible or acidic materials. Major areas of noncompliance with DOD storage criteria include siting within 50 feet of other structures; acids and flammables are stored in the same room; different classes of flammable materials are not properly separated (due to space limitations); access to stored materials is restricted (aisles are too

1. COMPONENT		2. DATE
FY	1995 MILITARY CONSTRUCTION PROJECT DAT	A)
AIR FORCE	(computer generated)	
3. INSTALLATION AND	LOCATION	
FAIRCHILD AIR FORCE	BASE, WASHINGTON	
4. PROJECT TITLE		5. PROJECT NUMBER
HAZARDOUS MATERIAL	STORAGE FACILITY	GJKZ920016

small); walls are covered with exposed asbestos sheets; electric outlets and lights are not explosion proof; ventilation is inadequate; spill protection is inadequate, and floor drains are connected to the sanitary sewer system. This storage facility is adjacent to the base data automation unit and base personnel offices that serve an average of 2,000 people per day. The facility will be retained for storage of data automation supplies. Compressed gas and chlorine cylinders are currently stored in a vault from a demolished bank building which meets none of the criteria for hazardous storage. The facility does not have leak detectors and is located in the administrative center of the base. This 153 SF facility will be demolished upon completion of this project. The remaining storage location for cylinders and hazardous drums is in the main base supply warehouse. This space is adequate as warehouse space, but does not have the required separation, confinement and detection systems for storage of hazardous materials. This facility will be retained for normal warehouse needs.

IMPACT IF NOT PROVIDED: The base will not have hazardous material storage facilities which meet DOD criteria. Inadequate and inherently unsafe storage practices will continue as no proper storage space is available. The potential for an accident or spill will remain. The potential for personal injury or harm to the environment is real. A spill of hazardous material which enters the sanitary sewer system could cause extensive and costly damage to the sewage treatment plant.

<u>ADDITIONAL</u>: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

. COMPONEN	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
IR FORCE	(computer generated)	<b>^</b>
	TION AND LOCATION	<del></del>
	IR FORCE BASE, WASHINGTON	
. PROJECT	TITLE	5. PROJECT NUMBER
AZARDOUS N	ATERIAL STORAGE FACILITY	GJKZ920016
nanacooo 1	MINING DIGITION INCIDENT	00.2720010
2. SUPPLE	MENTAL DATA:	
. Patis	nated Design Data:	
a. Estia	ated besign bata.	
• - •	Status:	
	a) Date Design Started	93 JUL 12
	<ul><li>b) Parametric Cost Estimates used to develop c</li><li>c) Percent Complete as of Jan 1994</li></ul>	osts Y 60%
	d) Date 35% Designed.	93 AUG 06
	e) Date Design Complete	94 AUG 01
	•	
· - ·	Basis:	
	a) Standard or Definitive Design -	NO
•	b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	a) Production of Plans and Specifications	50
(	b) All Other Design Costs	216
	c) Total	266
	d) Contract e) In-house	200 66
`	e, in nouse	00
(4)	Construction Start	95 MAR
. Equipme	nt associated with this project will be provide	d from
	priations: N/A	

1. COMPONENT									2.	DATE
	F	Y 1995 MILITARY CO				DJECT	DATA	4	1	]
AIR FORCE		(compute	er gene						L	
3. INSTALLATION	ANI	D LOCATION		4.	PRO.	JECT :	CITLE	3		1
ļ				UPC	GRADI	E STO	RM DE	RAINA	GE	
		E BASE, WASHINGTO	CILI							
5. PROGRAM ELEME	NT	6. CATEGORY CODE	7. PRO	JEC?	נוטא ז	1BER	8. I	PROJEC	CT (	COST(\$000)
										i
2.74.56C		871-183	GJK	<u> 2982</u>	2500					2,450
		9. COS	ESTIM.	ATES	3					
					ļ	<u> </u>	İ	UNI	r	COST
<u> </u>		ITEM			U/M	QUAN'	TITY COST		<u>r</u>	(\$000)
UPGRADE STORM DE	AI	NAGE FACILITIES			LS	!	i			350
SUPPORTING FACIL	IT	IES			[	l				1,750
OIL/WATER SEPA	RA'	TOR UPGRADE			EA	1	40	12,	500	( 500)
CORRECT CROSS-	CO	NNECTIONS			LS					( 600)
POLLUTION CONT	RO!	L STRUCTURES			LS	}				( <u>650</u> )
SUBTOTAL						Ì				2,100
CONTINGENCY (10%	(;)				}	1				210
TOTAL CONTRACT (	os:	T				<b> </b>				2,310
SUPERVISION, INS	PE	CTION AND OVERHEAD	D (6%)		1	1		}		139
TOTAL REQUEST						ì		}	'	2,449
TOTAL REQUEST (F	TOTAL REQUEST (ROUNDED)							}		2,450
						1		Ì		
					1	1		ŀ		İ
					1	1			i	
1										íl

10. Description of Proposed Construction: Upgrade the existing storm water detention basin, provide storm water control structures to channel and divert storm water to the detention basin. Correct sanitary and storm sewer cross-connections. Remove separators from the storm water system or connect separators to the sanitary sewer system.

REQUIREMENT: As required.

PROJECT: Upgrade storm drainage facilities. (Current Mission)
REQUIREMENT: This is a Level II environmental compliance requirement.
This project is required to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The storm water permit is scheduled to be issued in Jul 94. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. Corrective actions are required to eliminate sources of pollutants to the storm drain. Modification of the existing storm water basin will allow only storm water runoff to enter the basin and provide settlement time prior to discharge to off-base streams. The base is required to certify that non-storm water discharges are not connected to the storm drainage system.

CURRENT SITUATION: Currently many of the industrial facilities on the base have oil/water separators discharging directly to the storm drainage system. Many of these separators are inadequate in sufficiently removing petroleum products. The existing storm water detention basin is not considered adequate for settlement of solids and has inadequate control structures to prevent pollutants from entering the basin. A significant amount of storm water flow leaving the base comes from the National Guard area and, at the present time, the storm water does not pass through the storm water detention basin. Diversion structures must be installed to

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	TA 2. DATE
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON	
4. PROJECT TITLE	5. PROJECT NUMBER
UPGRADE STORM DRAINAGE FACILITIES	GJKZ982500

channel this storm water into the detention basin. Cross-connections exist between the sanitary and storm system which are not allowed by the NPDES permit.

IMPACT IF NOT PROVIDED: Fairchild AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."

. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
	N AND LOCATION	
FAIRCHILD AIR I	FORCE BASE, WASHINGTON	PROJECT NUMBER
. PROJECT III		
JPGRADE STORM	DRAINAGE FACILITIES	GJKZ982500
12. SUPPLEMEN	TAL DATA:	
a. Estimate	d Design Data:	
(1) Sta	tus:	
	Date Design Started	93 JUL 12
	Parametric Cost Estimates used to develop cos	
	Percent Complete as of Jan 1994	60%
	Date 35% Designed.	93 SEP 09
	Date Design Complete	94 JUL 01
(2) Bas	is:	
	Standard or Definitive Design -	NO
	Where Design Was Most Recently Used -	N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	Production of Plans and Specifications	100
	All Other Design Costs	319
	Total	419
	Contract	350
	In-house	69
(4) Con	struction Start	95 MAR
b. Equipment other appropri	associated with this project will be provided ations: N/A	from

Page No

1. COMPONENT	DV 1005 MYZYMANY C	O10000100	10V 8805	D 434	2	DAT	E
	FY 1995 MILITARY C						
AIR FORCE	(computer				<u>_</u> _		
3. INSTALLATION AN	D LOCATION	4. COM			<b> 5</b>		A CONST
		AIR FO	RCE		}	COS	T INDEX
F E WARREN AIR FOR	CE BASE, WYOMING	SPACE	COMMAND			1.	02
. PERSONNEL	PERMANENT	STU	DENTS	SUF	PORTE	D [	
STRENGTH	OFF ENL CIV	OFF	ENL CIV	OFF	ENL	CIV	TOTAL
. As of 30 SEP 93							4,146
. End FY 1999	575 2898 54		1			1 [	4,014
7. Ella F1 1939	7. INVENTOR		cooo	<del>  </del>		<del></del>	7,01
m1 A		I DATA (	30007				
. Total Acreage:					_		_
	As Of: (30 SEP 93					20,07	
. Authorization N	ot Yet In Inventory	<b>':</b>			•	10,75	0
i. Authorization R	equested In This Pr	ogram:				2,65	0
e. Authorization I	ncluded In Followin	g Program	m: (FY	1996)		·	0
	Three Program Year		-			6,00	0
g. Remaining Defic						-,	Õ
h. Grand Total:	rency.				2	39,47	•
	MED TH MILE DOCE AN	(	0.5			39,47	
	TED IN THIS PROGRAM	1: FY 19	95				
CATEGORY				COST			<u>STATUS</u>
CODE P	ROJECT TITLE	SC	<u>OPE</u>	(\$000	<u>)</u> <u>s</u>	TART	CMPL
.11-134 IINDERGROII	ND FUEL STORAGE TAN	īKS	100 EA	2 65	תונ. ח	v 03	JUN 94
	FACILITIES			-,0-	- 55	,,	
MIJOI DE	IACIDITIES	Tr.	OTAL:	2,65	_		
N	T1111					( ) 370	
	ts: Included in th				Y 199	b) NU	NE
	ts: Typical Planne						
	HISTORIC FACILITIE	S 42	,321 SF	2,50	10		
<u> 321-116 REPAIR CE</u>			LS	3,50			
lO. Mission or Ma	jor Functions: Hea	dquarter	s Twenti	eth Ai	r For	ce; a	n
AFSPC missile wing	consisting of one	Peacekee	per and	three	Minut	eman	
	allistic missile so						OUE
alert posture (UH-		[44410115	w	1111041	. a co.		043
	ollution and safety	(0011) 4	- <b>f</b> : - :	:			
ii. Outstanding p	offuction and safety	(05H) 0	ericienc	ies:			
- A213	• • • • •					_	
a. Air pollu						O	)
<ul><li>b. Water pol</li></ul>						0	ì
c. Occupation	nal safety and heal	th:				0	
d. Other Env	ironmental:					0	)
						·	•

1. COMPONENT								2	. DATE			
	F	7 1995 MILI	CARY CO	ONSTRUCT	CION PR	OJECT	DATA	<b>1</b>				
AIR FORCE		(0	comput	er gener	rated)							
3. INSTALLATI	ON ANI	LOCATION			4. PROJECT TITLE							
					UNDERG	ROUND	FUEL	STORA	GE TAN	KS		
F E WARREN AI					MISSIL							
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7. PRO.	JECT NU	MBER	8. P	ROJECT	COST(	\$000)		
						-						
3.58.56		411-134			<u> 1932500</u>				2,65	0		
			O. COS	r estim	ATES				<del></del>	<del></del>		
						1		UNIT	CO			
	ITEM						ITY	COST	(\$0	00)		
UNDERGROUND F	FUEL ST	CORAGE TANKS	MISS:	ILE								
FACILITIES					EA	1	100			,000		
UNDERGROUNI					EA	,	50	32,00		,600)		
TANK REMOVA	•				EA		50	8,00	)0 (	400)		
SUPPORTING FA	ACILIT.	LES					ŀ			430		
UTILITIES	m contraction	•			LS	1	}		;	30)		
SITE IMPROV					LS				}	80)		
TEMPORARY E		าเเซอ			LS	1	1			300)		
SUBTOTAL	OEL/PO	JWER			129	{	l		1 '=	<u>20</u> ) .430		
CONTINGENCY (	10%)					1	1		1 ′	243		
TOTAL CONTRAC		r				į	}		1 -	,673		
TOTAL REQUEST							1			,673		
TOTAL REQUEST		NDED)			]		Ì			,650		
	. (2000)						ļ			, 570		
							l					
						1	- 1					
							Ī					

10. Description of Proposed Construction: Remove and replace 50 underground storage tanks (UST) with 50 new USTs. Dispose of tank residue and test soil at each site. Replace tanks with new double-walled tanks and piping, interstitial leak monitoring, spill/overfill protection, and cathodic protection. Includes soil remediation, tank testing, site work, utilities and other necessary support.

11. REQUIREMENT: As required.

<u>PROJECT</u>: Remove and replace underground fuel storage tanks at missile facilities. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. All storage tanks which are regulated by 40 CFR 280 are required to be upgraded to new construction standards. The Environmental Protection Agency (EPA) has set standards that require all regulated tanks to have leak detection, corrosion protection, and spill/overflow prevention systems by December 1998. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards.

CURRENT SITUATION: Underground storage tanks at F E Warren AFB missile facilities do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overfill/spill protection. These deficiencies must be corrected to prevent violation of federal UST regulations. Currently, 170 deeply buried USTs at missile launch and launch control facilities require upgrade or replacement to meet the 1998 federal deadline. This, the second of three projects, will

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION

F E WARREN AIR FORCE BASE, WYOMING

4. PROJECT TITLE

5. PROJECT NUMBER

UNDERGROUND FUEL STORAGE TANKS MISSILE FACILITIES

GHLN932500

replace 50 USTs, each with a capacity of 14,500 gallons, at 50 launch facilities.

IMPACT IF NOT PROVIDED: Failure to replace these tanks at F E Warren AFB will result in an unacceptable risk of pollution. Additionally, F E Warren AFB will not be in compliance with federal and state environmental requirements, thereby subjecting the base to enforcement action and potential fines up to \$25,000 per day per violation and could create adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, build new, and upgrade existing tanks) was done. It indicates there is only one option that will satisfy statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength

. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DA	2. DATE
IR FORCE	(computer generated)	
	N AND LOCATION	
F WADDEN ATE	FORCE BASE, WYOMING	
. PROJECT TIT		5. PROJECT NUMBER
NDERGROUND FU	JEL STORAGE TANKS MISSILE FACILITIES	GHLN932500
2. SUPPLEMEN	ITAL DATA:	
a. Estimate	ed Design Data:	
(1) Sta	atus:	
	Date Design Started	93 JUN 01
	Parametric Cost Estimates used to develop	
	Percent Complete as of Jan 1994	35%
	Date 35% Designed.	93 SEP 30
(e)	Date Design Complete	94 JUN 01
(2) Bas	sis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a)	Production of Plans and Specifications	100
(ъ)	All Other Design Costs	78
(c)	Total	178
(b)	· <del>-</del>	167
(e)	In-house	11
(4) Cor	nstruction Start	95 JAN
. Equipment ther appropri	associated with this project will be providentions: N/A	ed from
Ebbrohri	· · · · · · · · · · · · · · · · · · ·	

		- <u> </u>			Ta ===	
1. COMPONENT	W 1005 WILLEADY CO	MOTOMOTON	DDOCD	A.W.	2. DAT	E
	Y 1995 MILITARY CO (computer		PROGR	AM		
AIR FORCE  3. INSTALLATION AND		4. COMMAND			S ADE	A CONST
3. INSTALLATION AND	LOCATION	4. COMPLAND	,			T INDEX
LAJES FIELD, AZORES	PORTUGAL.	AIR COMBAT	COMM	AND	1	04
6. PERSONNEL	PERMANENT	STUDENT			ORTED	
STRENGTH	OFF ENL CIV	OFF ENL	CIV		ENL CIV	TOTAL
a. As of 30 SEP 93	117 1037 102		1	43	384 51	1,735
b. End FY 1999	112 982 100			43	384 51	1,672
	7. INVENTORY	DATA (\$000	)			
a. Total Acreage:						
o. Inventory Total					165,57	
. Authorization No					10,95	
i. Authorization Rec			/= 1		2,85	_
e. Authorization Inc			(FY 1	996)		0
f. Planned In Next		•				0
g. Remaining Deficion. Grand Total:	ency:				179,37	U 0
B. PROJECTS REQUEST	ED IN THIS PROGRAM.	FY 1995		<del></del>	1/7,3/	0
CATEGORY	CD IN INID I MOOKAI.	11 1333		COST	DESIGN	SITATS
	OJECT TITLE	SCOPE		(\$000)		CMPL
<u> </u>	<u> </u>			14000	<u> </u>	<u> </u>
333-000 REFUSE INC	INERATOR		LS	2,850	AUG 93	AUG 94
		TOTAL	<u>۔</u> ۔ ۔ ۔	2,850		
a. Future Project:	s: Included in the	Following	Progr	am (FY	1996) NO	NE
b. Future Project:	s: Typical Planned	Next Three	Year	s:		
0. Mission or Majo	or Functions: Head	quarters US	Forc	es Azo	res and a	ın.
airlift support wing	g which provides en	route suppo	rt to	US ai	rcraft.	Major
tenants include a U	S Naval security gr	oup activit	y and	a US	Army	_
transportation term				· . · · · · · · · · · · · · · · · · · ·		
<ol> <li>Outstanding po</li> </ol>	llution and safety	(OSH) defic	ienci	es:		
4. 11 .	•					
a. Air pollut					1,500	
b. Water polls		<b>L</b> .			3,500	
c. Occupation d. Other Envi	al safety and healt	n:			2,000	
d. Other Envi	ronnental.				5,500	,
		•				

1. COMPONENT	<del></del>								. DA	TE
FY 1995 MILITARY CONSTRUCTION PROJECT DATA										
AIR FORCE	ORCE (computer generated)									
3. INSTALLATI	ON ANI	LOCATION			4. PRO	JECT :	TITLE	:		
LAJES FIELD,					REFUSE					
5. PROGRAM EI	EMENT	6. CATEGORY	CODE	7. PROJ	ECT NU	MBER	8. F	ROJECT	COS	T(\$000)
			ļ				1			
4.18.56		833-000		MQNA	<u> 1953003</u>				2,	850
		9.	COST	ESTIM	<b>NTES</b>					
						1		UNIT	Ī	COST
		ITEM			U/F	QUAN	TITY	COST	(	\$000)
REFUSE INCINE	RATOR				LS					2,200
SOLID WASTE DISPOSAL FACILITY				SF	20,	000	9	5	(1,900)	
INCINERATOR EQUIPMENT					EA		6	50,00	0	( 300)
CUIDDODTING PACTITITIES					Į	1			l l	330

330 SUPPORTING FACILITIES 115) UTILITIES SY 3,150 35 110) **PAVEMENTS** LS <u> 105</u>) SITE IMPROVEMENTS 2,530 SUBTOTAL 127 CONTINGENCY (52) 2,657 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6.5%) 173 2,830 TOTAL REQUEST TOTAL REQUEST (ROUNDED) 2,850

10. Description of Proposed Construction: Refuse incinerator plant, containment area for refuse separation, storage and necessary support.

REQUIREMENT: 20,000 LS ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct a refuse incinerator. (Current Mission) <u>REQUIREMENT: This is a Level I environmental compliance requirement. It</u> is required by Executive Order 12088 and DoD Directive 6050.16, which call for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance (OEBGD)/Final Governing Standards (FGS), whichever is more stringent. This project corrects violations of Portuguese Decree Law 90/71, Article 1. Additionally, this project will correct violations of the following United States regulations: 40 CFR 50. National Primary and Secondary Ambient Air Quality; 40 CFR 220, Ocean Dumping, General; 40 CFR 240, Guidelines for Thermal Processing Solid Wastes; 40 CFR 241, Guidelines for Land Disposal of Solid Wastes; and 40 CFR 257, Criteria for Classification of Solid Waste Disposal Facilities and Practices. An adequately sized refuse incinerator is required to dispose of 960 tons of solid waste/month. This facility must be capable of processing all burnable waste and contaminated fuel at Lajes Field. Facility must meet all Portuguese and United States Environmental Laws. **CURRENT SITUATION:** Current disposal operations consist of burning solid wastes in an open dump with the residue then being dumped into the ocean. The Portuguese Government has notified Lajes Field on two separate occasions to cease violating Portuguese Decree Law 90/71, Article 1. These violations continue to cause political tensions with the local communities and the Portuguese Government. Smoke from the trash fires and the refuse washing up onshore pose serious health hazards. OTHER OPTIONS

	1. COMPONENT FY	1995 MILITARY CONSTRUCTION PROJECT D	ATA	2. DA	TE
	3. INSTALLATION AND LAJES FIELD, AZORES				
-	4. PROJECT TITLE		5.	PROJECT	NUMBER
	PRESE INCINERATOR		1	MONA9530	003

CONSIDERED: The use of the existing Angra landfill and a joint project with the city of Praia to develop a new landfill. Both were rejected because of possible ground water contamination.

IMPACT IF NOT PROVIDED: If disposal operations are not brought into compliance with the existing Portuguese and United States environmental laws, this base will continue to pollute the environment. The base could be subject to fines and adverse publicity. Subsequent legal action could result in site closure.

ADDITIONAL: This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event criteria changes for facilities of this type. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies regulatory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Project has been considered for FY98 force structure end strength.

	ENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE		(computer generated)	
. INSTAL	LATIC	ON AND LOCATION	
AIPC PIP	TD A	ZORES, PORTUGAL	
. PROJEC			PROJECT NUMBER
			I NOUDO! NOUDDIN
EFUSE IN	CINER	ATOR	MQNA953003
2. SUPP	LEMEN	TTAL DATA:	
a. Est	imate	ed Design Data:	
(1)	Sta	itus:	
	(a)	Date Design Started	93 AUG 01
		Parametric Cost Estimates used to develop cost	
		Percent Complete as of Jan 1994	35%
		Date 35% Designed. Date Design Complete	93 NOV 15
	(e)	nare heardu combiere	94 AUG 15
(2)	Bas	sis:	
(-)		Standard or Definitive Design -	NO
		Where Design Was Most Recently Used -	N/A
/21	₩		/
(3)		al Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Specifications	(\$000
		All Other Design Costs	159 256
		Total	415
		Contract	375
	(e)	In-house	40
(4)	Con	struction Start	95 JAN
. Equip ther app		associated with this project will be provided fations: N/A	From

1. COMPONENT		·····						2. DA	LE	T
	Y 1995 MILIT				PROGE	MAS				
3. INSTALLATION AND		puter		MMAND				SADI	EA CONS	<del>-</del>
CLASSIFIED LOCATIONS			4. 00	MINAMU			1		ST INDE	
OUTSIDE THE UNITED S		•					į		.00	
6. PERSONNEL	PERMAN	ENT	Si	UDENT	S	SUF	PORT		1	寸
STRENGTH	OFF ENL	CIV	OFF		CIV				TOTAL	. ]
a. As of 30 SEP 92										T
b. End FY 1998		<u> </u>							<u> </u>	_
		ENTORY	DATA	(\$000						$\dashv$
a. Total Acreage: (	0)									- 1
b. Inventory Total	Ls Of: (30 S	EP 92)							0	- 1
c. Authorization Not								¢ 1	0	- 1
d. Authorization Red e. Authorization Inc					/12V 1	10061		6,1 <sup>4</sup> ,1		
f. Planned In Next 7				am.	(FI	1330)		59,2		
g. Remaining Deficie		10013	•					33,2	0	Į
h. Grand Total:	, .							69,5	93	
8. PROJECTS REQUESTE	D IN THIS PR	OGRAM:	FY 1	995						丁
CATEGORY						COST	-	DESIGN	STATUS	<u> </u>
CODE PRO	JECT TITLE		\$	COPE		<u>(\$000</u>	<u>))</u>	START	CMPI	ا ۽
100-000 SPECIAL TAC	TOTOAT INTE				LS	2 1/	. 1			
DETACHMENT					בת	2,14	11			
217-742 WAR READINE			1	0,000	QP	3 30	n	4AV 02	MAY 9	
•	E/MANAGEMENT	FAC	•	.0,000	31	1,50	,,	INI JZ	na: 3	7
I .	SS MATERIEL		L 1	8,000	SF	2.10	4 06	1AY 92	MAY 9	4
STORAGE FA				.,,,,,,	•-	-,				
452-252 WAR READINE	SS MATERIEL	OPEN	(	2,000	SF	65	1 0	1AY 92	MAY 9	4
STORAGE FA	CILITY									- {
<del></del>				TOTAL		6,19				4
9a. Future Projects			Follo	owing	_			996)		
100-000 HAVE STARE 100-000 SPECIAL TAC		IN .			LS LS	•				
DETACHMENT					ΓĐ	3,17	0			İ
)	AUIDIII			TOTAL		4,17	76			-
9b. Future Projects	: Typical P	lanned	Next							寸
11. Outstanding pol										寸
]		·								
a. Air polluti									0	- {
b. Water pollu									0	1
	l safety and	healt	h:						0	
d. Other Envir	conmental:							1	D	-
										- 1
										1
										-
										1
<del></del>										

1. COMPONENT								2.	DATE
FY 1995 MILITARY CONSTRUCTION PROJECT DATA								-	
AIR FORCE (computer generated)									
3. INSTALLATION AND	3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
		1			adines				
CLASSIFIED LOCATION					NANCE/I				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJ	ECT	NU	AREK	3. P	KOTEC.	rc	OST(\$000)
2.80.31	217-742	HTAC	943	048	ľ				1,300
2.00.52		T ESTIMA							- 1000
					1		UNIT		COST
	ITEM		$\perp$	U/H	QUANT:	ITY	COST		(\$000)
WAR READINESS MATE			ł	SF	10.0			94	940
MAINTENANCE/MANAGER SUPPORTING FACILITY			ļ	31	10,000		•	74	220
UTILITIES	100		ĺ	LS		i		ı	( 120)
PAVEMENTS				LS				- 1	( 60)
SITE IMPROVEMENTS	S		i	LS		- 1			(40)
SUBTOTAL									1,160
CONTINGENCY (5%)			ļ			ļ		-	58
TOTAL CONTRACT COS		4	1			Ì			1,218
SUPERVISION, INSPE	CTION AND OVERHEA	D (6.5%)	<b>'</b> }			i		1	79
TOTAL REQUEST	unen l		l		Į	ł			1,297
TOTAL REQUEST (ROU	NUEU)		İ						1,300
			- }		<b>{</b>	-		ı	
						ł			
					Ì	j		Ì	
						- 1		ļ	
					L				

10. Description of Proposed Construction: Construct a pre-engineered metal and masonry building with environmental control systems, restrooms, administrative and shop spaces, required utilities and supporting facilities, including pavements and site improvements.

Air Conditioning: 20 Tons.

11. REQUIREMENT: 10,000 SF ADEQUATE: 0 SUBSTANDARD: 0

<u>PROJECT</u>: Construct a war readiness materiel (WRM) maintenance shop and management facility. (New Mission)

REQUIREMENT: A maintenance shop and management space are required for necessary maintenance, servicing and controlling the large variety of prepositioned WRM assets. These assets must be ready for use by US Central Command forces. This project supports USCENTCOM/host nation agreements.

CURRENT SITUATION: Other facilities in the host country are unavailable to properly maintain, service and account for the stored WRM assets. WRM assets moved into the region during Operation DESERT SHIELD/DESERT STORM must either be stored, maintained and managed in country or returned to the CONUS for necessary maintenance and servicing. CONUS storage and servicing, and roundtrip transportation will exceed storage and servicing cost in the host country. The round trip transportation cost to move equipment and material between the United States and the Southwest Asia region is nearly \$2.0 million. The prepositioned equipment must be properly maintained, serviced and accounted for to ensure its readiness capability.

IMPACT IF NOT PROVIDED: Adequate facilities will not be available for servicing and controlling the stored assets required to support US Central Command contingency operations in the Persian Gulf area. Without adequate

1	. COMPONENT		2. DATE
1		FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
A	IR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION

CLASSIFIED LOCATION

4. PROJECT TITLE

5. PROJECT NUMBER

WAR READINESS MATERIEL MAINTENANCE/MANAGEMENT FAC

HTAC943048

maintenance facilities, material and equipment will deteriorate to unacceptable conditions or they must be returned to the CONUS at greater cost than having them adequately maintained in their prepositioned location. Materials and equipment required for contingency situations must be moved back to the operational area. This increases transportation demands and slows mobility time which impedes US capability to successfully execute contingency plans and protect national interests. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

. INS	rce Tall		(computer generated) N AND LOCATION	
T 400TI	DT DN	100	CATION	
. PRO				5. PROJECT NUMBER
AR RE	ADIN	ESS	MATERIEL MAINTENANCE/MANAGEMENT FAC	HTAC943048
2. SI	UPPL	EMEN	ITAL DATA:	
<b>a.</b> 1	Esti	mate	ed Design Data:	
4	(1)		itus:	
		(a)	Date Design Started	92 MAY 25
			Parametric Cost Estimates used to develop c	
			Percent Complete as of Jan 1994  Date 35% Designed.	60% 93 FEB 30
			Date Design Complete	93 FEB 30 94 MAY 15
			•	) Tible 19
(	(2)	Bas		110
			Standard or Definitive Design - Where Design Was Most Recently Used -	NO N CA
		(5)	where residu was unst versurth need .	N/A
(	(3)		al Cost (c) = (a) + (b) or (d) + (e):	(\$000)
		(a)	Production of Plans and Specifications	78
			All Other Design Costs	172
			Total Contract	250
			In-house	250
(	(4)	Con	struction Start	95 JAN
				50 502
. Equ	ninm	ent	associated with this project will be provided	d 6
4.	appr	opri	ations: N/A	d from
ther				
ther				
ther				
ther				
ther a				
ther a				
ther a				
ther a				
ther				
ther				
ther				
ther				
ther				
ther				
ther				

						<del></del>			2	DATE
1. COMPONENT	191	, inne wittmany <i>ci</i>	ANC TO HOT	TON	D9/	) I <i>BC</i> T	DATA		۷.	DATE
ATD BODGE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)									
AIR FORCE 3. INSTALLAT	CONT. ANTI		er Kener			JECT T	TTIE	,	<u> </u>	
3. INSTALLALI	LON ANI	LOCATION							71 h	EDICAL
CLASSIFIED LO	~~ A TT (1)	1				E FACI				
S DOCCDAM RI	PMPNT	6. CATEGORY CODE	7 PRO						T C	OST(\$000)
J. PAUGRAM EI	TOTAL T	o. Orizooki Godz	,				• •		•	
2.80.31		442-515	HTAC	:943	046	_ [				2,100_
2,50.52			T ESTIM							
								UNI:	r	COST
		ITEM		1	U/M	QUANT	YTI	cos:	7	(\$000)
WAR READINESS	MATE	RIEL MEDICAL STOR	AGE	ļ		Į	į		ļ	
FACILITY				- 1	SF	18,000			93	1,674
SUPPORTING F	ACILIT:	TES		- 1		<u> </u>	1			195
UTILITIES				· ·	LS	ļ				( 115)
PAVEMENTS					LS	1				( 45)
SITE IMPRO	vement:	3		- 1	LS		1			( <u>35</u> )
SUBTOTAL				ļ		ţ	- 1			1,869
CONTINGENCY				İ		ŀ				93
TOTAL CONTRAC			4				1			1,962
		CTION AND OVERHEA	$\mathbf{D}  (6.5\mathbf{Z})$	)						128
TOTAL REQUES:				İ						2,090
TOTAL REQUEST	r (ROU	NDED)		l						2,100
							1			
				l		l				
j				- 1						
1				İ		ſ				
l				į		1				
						L				

10. Description of Proposed Construction: Construct a pre-engineered metal and masonry building with environmental control system, utility systems, and supporting facilities, including pavements and site improvements.

Air Conditioning: 50 Tons.

11. REQUIREMENT: 18,000 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a war readiness materiel (WRM) medical storage

warehouse. (New Mission)

REQUIREMENT: Medical storage facilities are required for prepositioning and long-term storage of WRM medical assets which must be kept in a secure, temperature and humidity controlled environment. These assets must be ready for use by US Central Command forces. This project supports USCENTCOM/host nation agreements.

CURRENT SITUATION: Other facilities in the host country are unavailable for WRM storage requirements. WRM assets moved into the region during Operation DESERT SHIELD/DESERT STORM must either be stored in country or returned to the CONUS. Host nation storage costs and CONUS storage costs are equal. The round trip transportation cost to move this equipment between the United States and the Southwest Asia region is \$2.0 million. The prepositioned equipment, currently exposed to the elements, is valued at \$7.5 million. Under present conditions, replacement of deteriorating equipment will cost nearly \$1 million per year.

IMPACT IF NOT PROVIDED: Adequate facilities will not be available for storage of assets required to support US Central Command contingency operations in the Persian Gulf area. Without adequate storage facilities, material and equipment will deteriorate to unacceptable conditions or they must be returned to the CONUS at greater cost than having them adequately

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	Į.
AIR FORCE	(computer generated)	i
3. INSTALLATION	AND LOCATION	
CLASSIFIED LOCA	TION	
4. PROJECT TITL	E 5	. PROJECT NUMBER
WAR READINESS M	ATERIEL MEDICAL STORAGE FACILITY	HTAC943046

prepositioned. Materials and equipment stored in the US required for contingency situations must be moved back to the operational area. This increases transportation demands and slows mobility time which greatly impedes US capability to successfully execute contingency plans and protect national interests.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

CLASSIFIE	יים מ	CATION	-
. PROJEC			5. PROJECT NUMBER
AR READI	NESS	MATERIEL MEDICAL STORAGE FACILITY	HTAC943046
2. SUPP	LEMEN	TTAL DATA:	
a. Est	imate	ed Design Data:	
(1)	Sta	itus:	
	(a)	Date Design Started	92 MAY 25
	(P)	Parametric Cost Estimates used to develop	costs
	(c)	Percent Complete as of Jan 1994	60%
		Date 35% Designed.	93 FEB 30
	(e)	Date Design Complete	94 MAY 15
(2)	Bas		
		Standard or Definitive Design -	NO
	(P)	Where Design Was Most Recently Used -	N/A
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	(a)	Production of Plans and Specifications	126
		All Other Design Costs	153
		Total	279
		Contract In-house	279
(4)	C	struction Start	_,,
(4)	COI	struction Start	95 JAN
. Equip	ment ropri	associated with this project will be providations: N/A	ded from
• •			
••			
••			
••			
••			
••			

1. COMPONENT	· . <del>- · · · · · · · · · · · · · · · · · · </del>	<del></del>	2. DAT	P
FY 1995 MILITARY C	ONSTRUCTION PROC	DAM	Z. DAI	E
1	generated)	1	 	
3. INSTALLATION AND LOCATION	4. COMMAND		5. ARE	A CONST
	UNITED STATES	AIR		T INDEX
RAMSTEIN AIR BASE, GERMANY	FORCES IN EURO		1.	
6. PERSONNEL PERMANENT	STUDENTS	SUPPORT		
STRENGTH OFF ENL CIV				TOTAL
a. As of 30 SEP 93 1256 6004 82				8,086
b. End FY 1999   1106   5934   77	6			7,816
7. INVENTOR	Y DATA (\$000)			
a. Total Acreage: ( 3,102)				
b. Inventory Total As Of: (30 SEP 93			251,03	4
c. Authorization Not Yet In Inventory			3,15	0
d. Authorization Requested In This Pr			12,35	0
e. Authorization Included In Followin		1996)		0
f. Planned In Next Three Program Year	s:		6,10	0
g. Remaining Deficiency:				0
h. Grand Total:			272.63	4
8. PROJECTS REQUESTED IN THIS PROGRAM	: FY 1995			
CATEGORY	440pm	-	DESIGN	
CODE PROJECT TITLE	SCOPE	<u>(\$000)</u>	START	CMPL
442-257 HAZARDOUS MATERIAL STORAGE FACILITY	6,500 SF	1,150	SEP 86	JUL 94
831-165 UPGRADE SEWAGE AND STORM WAT	er ls	11,200 .	JUL 87	SEP 94
COLLECTION SYSTEMS		-		į
		12,350		
9a. Future Projects: Included in th			996) NO	NE
9b. Future Projects: Typical Planne		rs:		ľ
130-142 FIRE STATION (VOG)	5,520 SF	900		ļ
740-674	54,000 SF			
10. Mission or Major Functions: Hea	dquarters United	States A:	ir Forc	es in
Europe; an airlift squadron (C-12, C-	20, C-21, and T-	43 aircrai	ft, and	UH-1
helicopters), an aeromedical airlift	squadron (C-y al	rcrait); (	a tacti	cal
intelligence wing; NATO's Headquarter	s Alkurni; an Al	r intelli	gence A	gency
intelligence wing; a support wing; an support group.	d an Air Modilit	y Command	airlir	c
11. Outstanding pollution and safety	(OSH) doficiono	<u> </u>		
outstanding politicion and safety	(2211) delicienc	169.		ĺ
a. Air pollution:			0	1
b. Water pollution:			0	
c. Occupational safety and heal	th:		0	
d. Other Environmental:			Ô	
			v	
				ļ
				j
				İ
				}
<u> </u>				_

1	1. COMPONENT FY	7 1995 MILITARY CO	ONSTRUCTION PROJECT	DATA 2. DATE
ł	AIR FORCE	(compute	er generated)	
	3. INSTALLATION AND RAMSTEIN AIR BASE,		4. PROJECT 1 HAZARDOUS MA FACILITY	TITLE ATERIAL STORAGE
	5. PROGRAM ELEMENT		7. PROJECT NUMBER	8. PROJECT COST(\$000)
	2.74.56U	442-257	TYFR879008	1,150

9. COST ESTIMATE	S			
ITEM	1	QUANTITY	UNIT	COST (\$000)
HAZARDOUS MATERIAL STORAGE FACILITY SUPPORTING FACILITIES UTILITIES SITE IMPROVEMENTS PAVEMENTS DEMOLITION/ASBESTOS REMOVAL SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6.5%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	LS LS LS SF	6,500 3,250	135	878 150 ( 65) ( 25) ( 45) ( 15) 1,028 - 51 1,079 - 70 1,149 1,150

10. Description of Proposed Construction: Reinforced concrete foundation and impermeable sealed slab, concrete spill containment curb, structural frame, walls and roof system. Includes drains for wash down of flammable and hazardous materials leading to oil/water separators and containment basins, special ventilation, explosion proof electrical systems, restrooms and utility room. Includes utilities and fire protection.

11. REQUIREMENT: As required.

<u>PROJECT</u>: Construct a hazardous material storage facility. (Current Mission)

**REQUIREMENT:** This is a Level I environmental compliance requirement. is required by Executive Order 12088 and DoD Directive 6050.16, which calls for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance Document (OEBGD)/Final Governing Standard (FGS), whichever is more stringent. According to German Water Economy Law, hazardous materials must be stored using the same precautions used for storing hazardous waste. The facility must be of adequate size and configuration with proper environmental controls, necessary fire protection, and spill containment systems. Warehouse space is required to store hazardous paints, thinners, acids, solvents, gas cylinders, various greases and oils, and a variety of class I and II flammable items. CURRENT SITUATION: The existing facility is in violation of German Economy Law, Wasserhaushaltsgesetz, 23 Sep 86, article 19i, and the technical guidelines for handling and storage of water endangering liquids (TBRF 3 Sep 1984). On a site visit from the Water Rights Commission in Oct 1988, all facilities storing water endangering liquids were inspected. In the deficiency report, it was noted that all facilities were not in compliance with the water protection laws and an immediate upgrade was

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

RAMSTEIN AIR BASE, GERMANY

4. PROJECT TITLE

5. PROJECT NUMBER

HAZARDOUS MATERIAL STORAGE FACILITY

TYFR879008

requested. This is a notice of violation equivalent. The storage areas do not provide a collection tank to avoid environmental pollution, there are no curbs for containing spilled acids, the ceiling consists of plywood, electrical fixtures are not explosion proof, and the floors are not monolithic or epoxy coated. The facility also has a Fire Safety Deficiency (FSD) code of II. Ventilation and fire suppression systems do not exist in the current facility. The facility is also inadequate in size and configuration. This space is now provisionally heated with a temporary heat unit to avoid freezing large quantities of hazardous materials when temperatures fall below 15 degrees Fahrenheit. Supplies, valued between \$10,000 and \$12,000, have been lost each winter. Due to the lack of space, corrosive items are stored in an open shed, exposed to freezing temperatures, heat and humidity. These extreme conditions have required the expenditure of \$5,000 or more in order to provide for overpacking containers and materials. One facility will be demolished as a result of this project.

IMPACT IF NOT PROVIDED: Ramstein will continue to be in noncompliance with host nation law which requires the storage of hazardous materials the same as hazardous waste. The materials will continue to be improperly stored in a substandard and undersized facility and in open-air sheds resulting in safety hazards to base personnel and posing potential environmental hazards. A fire hazard will continue to exist and unprotected items will be destroyed by inclement weather resulting in significant monetary losses in materials and supplies.

ADDITIONAL: This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that criteria changes for facilities of this type. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

AMSTEIN AIR E PROJECT TIT  AZARDOUS MATE  SUPPLEMENT  (1) Sta (a) (b) (c) (d) (e)  (2) Bas (a) (b)  (3) Tot (a) (b) (c) (d) (e)  (4) Con  Equipment	TAL DATA:  Id Design Data:  Itus:  Date Design Started  Parametric Cost Estimates used to develop cost  Percent Complete as of Jan 1994  Date 35% Designed.  Date Design Complete	45% 90 JAN 18 94 JUL 15 NO N/A (\$000
AMSTEIN AIR E PROJECT TIT AZARDOUS MATE  SUPPLEMENT  (1) Sta (a) (b) (c) (d) (e)  (2) Bas (a) (b) (c) (d) (e)  (2) Con (b) (c) (d) (c) (d) (e)	ASE, GERMANY THE  TRIAL STORAGE FACILITY  TAL DATA:  d Design Data:  tus:  Date Design Started  Parametric Cost Estimates used to develop cost  Percent Complete as of Jan 1994  Date 35% Designed.  Date Design Complete  is:  Standard or Definitive Design -  Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Specifications	86 SEP 01 s N 45% 90 JAN 18 94 JUL 15 NO N/A (\$000
PROJECT TITE  ZARDOUS MATE  2. SUPPLEMENT  (a) (b) (c) (d) (e) (2) Bas (a) (b) (c) (d) (e) (d) (e) (d) (co) (d) (e) (d) (co) (do) (co) (	TAL DATA:  Id Design Data:  Itus:  Date Design Started  Parametric Cost Estimates used to develop cost  Percent Complete as of Jan 1994  Date 35% Designed.  Date Design Complete  is:  Standard or Definitive Design -  Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Specifications	86 SEP 01 s N 45% 90 JAN 18 94 JUL 15 NO N/A (\$000
PROJECT TITE  ZARDOUS MATE  2. SUPPLEMENT  (a) (b) (c) (d) (e) (2) Bas (a) (b) (c) (d) (e) (d) (e) (d) (co) (d) (e) (d) (co) (do) (co) (	TAL DATA:  Id Design Data:  Itus:  Date Design Started  Parametric Cost Estimates used to develop cost  Percent Complete as of Jan 1994  Date 35% Designed.  Date Design Complete  is:  Standard or Definitive Design -  Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Specifications	86 SEP 01 s N 45% 90 JAN 18 94 JUL 15 NO N/A (\$000
2. SUPPLEMEN  2. SUPPLEMEN  (1) Sta (a) (b) (c) (d) (e) (2) Bas (a) (b) (c) (d) (e) (4) Con  Equipment	TAL DATA:  d Design Data:  tus:  Date Design Started  Parametric Cost Estimates used to develop cost  Percent Complete as of Jan 1994  Date 35% Designed.  Date Design Complete  is:  Standard or Definitive Design -  Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Specifications	86 SEP 01 s N 45% 90 JAN 18 94 JUL 15 NO N/A (\$000
2. SUPPLEMEN  a. Estimate  (1) Sta  (a) (b) (c) (d) (e)  (2) Bas (a) (b) (3) Tot (a) (b) (c) (d) (e)  (4) Con  Equipment	TTAL DATA:  d Design Data:  tus:  Date Design Started  Parametric Cost Estimates used to develop cost  Percent Complete as of Jan 1994  Date 35% Designed.  Date Design Complete  is:  Standard or Definitive Design -  Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Specifications	86 SEP 01 s N 45% 90 Jan 18 94 Jul 15 NO N/A (\$000
a. Estimate  (1) Sta (a) (b) (c) (d) (e)  (2) Bas (a) (b) (3) Tot (a) (b) (c) (d) (e)  (4) Con  Equipment	d Design Data:  Itus: Date Design Started Parametric Cost Estimates used to develop cost Percent Complete as of Jan 1994 Date 35% Designed. Date Design Complete  is: Standard or Definitive Design - Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	90 JAN 18 90 JAN 18 94 JUL 15 NO N/A
(1) Sta (a) (b) (c) (d) (e)  (2) Bas (a) (b) (3) Tot (a) (b) (c) (d) (e) (4) Con  Equipment	Date Design Started Parametric Cost Estimates used to develop cost Percent Complete as of Jan 1994 Date 35% Designed. Date Design Complete  is: Standard or Definitive Design - Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	90 JAN 18 90 JAN 18 94 JUL 15 NO N/A
(a) (b) (c) (d) (e)  (2) Bas (a) (b) (3) Tot (a) (b) (c) (d) (e) (4) Con	Date Design Started Parametric Cost Estimates used to develop cost Percent Complete as of Jan 1994 Date 35% Designed. Date Design Complete  is: Standard or Definitive Design - Where Design Was Most Recently Used - al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	90 JAN 18 90 JAN 18 94 JUL 15 NO N/A
(b) (c) (d) (e)  (2) Bas (a) (b) (3) Tot (a) (b) (c) (d) (e) (4) Con  Equipment	Parametric Cost Estimates used to develop cost Percent Complete as of Jan 1994 Date 35% Designed. Date Design Complete  is: Standard or Definitive Design - Where Design Was Most Recently Used - al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	90 JAN 18 90 JAN 18 94 JUL 15 NO N/A
(c) (d) (e) (2) Bas (a) (b) (3) Tot (a) (b) (c) (d) (e) (4) Con	Percent Complete as of Jan 1994  Date 35% Designed.  Date Design Complete  is:  Standard or Definitive Design - Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Specifications	45% 90 JAN 18 94 JUL 15 NO N/A (\$000
(d) (e) (2) Bas (a) (b) (3) Tot (a) (b) (c) (d) (e) (4) Con	Date 35% Designed. Date Design Complete  is: Standard or Definitive Design - Where Design Was Most Recently Used - al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	90 JAN 18 94 JUL 15 NO N/A (\$000
(e) (2) Bas (a) (b) (3) Tot (a) (b) (c) (d) (e) (4) Con	Date Design Complete  is: Standard or Definitive Design - Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	94 JUL 15 NO N/A (\$000
(2) Bas (a) (b) (3) Tot (a) (b) (c) (d) (e) (4) Con	is: Standard or Definitive Design - Where Design Was Most Recently Used - al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	NO N/A (\$000
(a) (b) (3) Tot (a) (b) (c) (d) (e) (4) Con	Standard or Definitive Design - Where Design Was Most Recently Used - al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	N/A (\$000
(b) (3) Tot (a) (b) (c) (d) (e) (4) Con	Where Design Was Most Recently Used -  al Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Specifications	N/A (\$000
(3) Tot (a) (b) (c) (d) (e) (4) Con	al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	(\$000
(a) (b) (c) (d) (e) (4) Con	Production of Plans and Specifications	•
(b) (c) (d) (e) (4) Con		•
(c) (d) (e) (4) Con	All Other Design Costs	69
(d) (e) (4) Con Equipment		
(e) (4) Con Equipment		69
(4) Con	Contract In-house	29
Equipment	In-nouse	40
	struction Start	94 DEC
	associated with this project will be provided fations: N/A	rom

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS RAMSTEIN AIR BASE, GERMANY 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) TYFR943044 11,200 831-165 2.74.56U 9. COST ESTIMATES UNIT COST U/M QUANTITY (\$000) COST ITEM UPGRADE SEWAGE AND STORM WATER LS 8,676 COLLECTION SYSTEMS LF 72,000 91 (6,552) SEWER AND STORM DRAINAGE LINES (2,124)LS SYSTEM APPURTENANCES SUPPORTING FACILITIES 890 UTILITIES LS 345) LS 345) **PAVEMENTS** LS 100) SITE IMPROVEMENTS LS SOIL REMEDIATION 100) 9,566 SUBTOTAL

10. Description of Proposed Construction: Replace the dual use concrete piping system with two systems to separate the storm drainage system from the sanitary sewer system. Construct retaining/overflow basins, pump stations and oil/water separators. Project includes soil remediation, excavation, and removal and replacement of existing paved surfaces.

11. REQUIREMENT: 72,000 LF ADEQUATE: 0 SUBSTANDARD: 46,000 LF PROJECT: Upgrade sewage and storm water collection systems. (Current Mission)

<u>REQUIREMENT:</u> This is a Level I environmental compliance requirement. It is required by Executive Order 12088 and DoD Directive 6050.16, which call for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance Document (OEBGD)/Final Governing Standard (FGS), whichever is more stringent. The OEBGD is more stringent. The average Biochemical Oxygen Demand (BOD) of the Ramstein effluent (82 mg/L) exceeds both host nation (60 mg/L) and OEBGD (30 mg/L) criteria. This project represents the US portion of a joint US, NATO and Federal Republic of Germany (FRG) effort. The US portion separates the storm water and sanitary sewage collection systems; repairs damaged sanitary sewer pipes; and provides storm water collection pipelines, overflow basins and retention areas which corrects the majority of the sewage flow problem. The \$36.6 million NATO portion does similar work to correct the airfield surface runoff problem and the \$9.9 million FRG portion ties the base to the local community's sewage system.

CURRENT SITUATION: The combined sewage collection system is 40-years-old, undersized, deteriorated, and has inadequate surface drainage. These conditions have led to significant contamination of the soil in certain areas of the base, including chlorinated hydrocarbons. When it rains,

CONTINGENCY (10%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

SUPERVISION, INSPECTION AND OVERHEAD (6.5%)

957

684

10,523

11,207 11,200 1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

RAMSTEIN AIR BASE, CERMANY

4. PROJECT TITLE

5. PROJECT NUMBER

UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS

storm water fills the sanitary sewage collection system through

TYFR943044

the flow of raw sewage to the treatment plant. Excess storm water runs uncontrolled across the base and drains into and contaminates four local streams (Hundsbach, Flossbach, Hembach and Morbach). It is a health hazard to the local residents. The continuous run-off into these streams also causes flooding of low-lying runway and taxiway areas.

IMPACT IF NOT PROVIDED: This system will remain out of compliance with the OEBGD/FGS and host nation law. Effluent from the base will continue to violate standards established under the FRG's federal wastewater quality law (1990 Federal Law Journal, Number 61, Part 1, revised on 6 Nov 90), their water management law (1990 Federal Law Journal, Part 1, revised 12 Feb 90), and the OEBGD/FGS.

ADDITIONAL: The area serviced by this US project is not climble for NATO

infiltration and broken pipes creating a backflow condition that hinders

ADDITIONAL: The area serviced by this US project is not eligible for NATO funding. It does represent the US portion of a joint US, NATO and Host Nation effort. NATO is committed to funding their portion of the effort (Decision Sheet 1699). PRG funding for their portion is approved. A preliminary analysis of reasonable options for accomplishing this project(status quo, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	•
	ATION AND LOCATION	······································
J. INJINDA	iion and accuration	
RAMSTEIN A	IR BASE, GERMANY	
4. PROJECT		. PROJECT NUMBER
7. 110000		
UPGRADE SET	WAGE AND STORM WATER COLLECTION SYSTEMS	TYFR943044
12. SUPPL	EMENTAL DATA:	
a. Esti	mated Design Data:	
	Status:	
	(a) Date Design Started	87 JUL 10
	(b) Parametric Cost Estimates used to develop co	
	(c) Percent Complete as of Jan 1994	70%
	(d) Date 35% Designed.	91 FEB 15
	(e) Date Design Complete	94 SEP 15
455		
	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(2)	Total Cost (c) = (a) + (b) or (d) + (e):	(4000)
	(a) Production of Plans and Specifications	(\$000)
	(b) All Other Design Costs	672 392
	(c) Total	1064
	(d) Contract	564
i e	(e) In-house	500
	(C) In house	<b>J</b> 00
(4)	Construction Start	95 JAN
		75 QAL
b. Equipme	ent associated with this project will be provided	i from
other appro	opriations: N/A	
	•	

Page No

DD FORM 1391C, DEC 76

1. COMPONENT							2. DAT	E
l I	1995 MILITARY CON	ISTRUC	TION I	PROGE	MAS			_
AIR FORCE	(computer g	enera	ted)					
3. INSTALLATION AND L			MMAND				5. ARE	A CONST
			D STA					T INDEX
SPANGDAHLEM AIR BASE,			SIN					54
6. PERSONNEL	PERMANENT		UDENTS			POR1		
STRENGTH		OFF	ENL	CIV	OFF	ENI	CIV	TOTAL
a. As of 30 SEP 93	285 3056 131	- 1			2			3,472
b. End FY 1999	328 3926 186 7. INVENTORY	DATA	(6000)	<del></del>			3	4,445
a. Total Acreage: (	1,365)	DAIA	73000	<i>!</i>			<del></del>	
b. Inventory Total As							120,69	1
c. Authorization Not							1,92	
d. Authorization Requ	ested In This Prog	ram:					9,47	
e. Authorization Incl			am:	(FY 1	1996)		8,10	
f. Planned In Next Th					_		24,00	
g. Remaining Deficien							-	0
h. Grand Total:							164,18	4
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY 1	995					
CATEGORY					COST	-		STATUS
CODE PROJ	ECT TITLE	<u>s</u>	COPE		<u>(\$000</u>	<u>))</u>	STAR1	CMPL
7/0 00/ 6077 5 57777	D. (2012)							
740-884 CHILD DEVELO	· · · · · · · · · · · · · · · ·		9,300					AUG 94
1	GE AND STORM WATER	(		LS	7,20	)U (	OCT 89	DEC 93
COLLECTION	9191FW9		TOTAL		9,47	<del>-</del>		
9a. Future Projects:	Included in the	Follo					206)	
721-312 RENOVATE DOR		roiic		PN	2,35		7907	
721-312 RENOVATE DOR				PN	2,35			
842-245 ADD TO AND A		E.		LS	3,40			
	UTION SYSTEM				-,	, ,		İ
			TOTAL	<u>:</u>	8,10	10		
9b. Future Projects:	Typical Planned	Next	Three	Year	rs:			
141-753 ADD TO AND A	<u> </u>	1	4,400	SF	2,50	10		
OPERATIONS				_		_		
141-783 MOBILITY PRO			1,000					}
442-758 AIRCRAFT PAR	TS STORAGE	6	0,000	SF	6,40	00		
FACILITY	MT MADY		^-	D				}
721-312 RENOVATE DOR				PN				
721-312 RENOVATE DOR			1,000				16	
10. Mission or Major and one squadron with	Functions: A fig			MICD	cnree	. r-1	ro squa	arons
	ution and safety (			ienci	96.			
portainering port	acron and salety (	( JUII )	deric.	w Cilci	. 63.			
a. Air pollutio	n:						C	, 1
b. Water pollut							0	
	safety and health	<b>1</b> :					0	
d. Other Enviro							ò	1
							_	İ
								1
<u> </u>								

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE CHILD DEVELOPMENT CENTER SPANGDAHLEM AIR BASE, GERMANY 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) VYHK930709 740-884 2.273 2.75.96U 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (s000) ITEM 170 1,581 CHILD DEVELOPMENT CENTER SF 9,300 430 SUPPORTING FACILITIES LS 85) SITE PREPARATION LS 45) UTILITIES LS 300) **PAVEMENTS** 2,011 SUBTOTAL CONTINGENCY (5%) 101 TOTAL CONTRACT COST 2,112 SUPERVISION, INSPECTION AND OVERHEAD (6.5%) 137 2,249 TOTAL REQUEST 2,273 TOTAL REQUEST (ROUNDED) 10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, and masonry unit walls with brick exterior finish to match existing facility decor. Supporting electrical, plumbing, mechanical, site preparation, parking, road, utilities, and fire protection. 11. REQUIREMENT: 29,950 SF ADEQUATE: 7,600 SF SUBSTANDARD: 6,785 SF PROJECT: Construct a child development center. (Current Mission) REQUIREMENT: A properly sized child development center is required to provide supervised care and a developmental experience for dependent children aged six weeks through twelve years. This facility will provide for children up to age six--the most critical shortfall at Spangdahlem. The facility must provide a comfortable, clean educational environment where military service members and DoD civilians can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable child care available. CURRENT SITUATION: Average daily attendance is 218 children, while an additional 176 children are on a waiting list. The current child development center is filled to maximum capacity of 80 children and rooms are being used in four different base housing (apartment) basements for 24 Kindergarten and 114 preschool aged children. Child care requirements cannot be met adequately through the use of housing basements. Children

Page No

attending preschool must be shuffled back and forth on foot for meals and other special activities. Generally, parents object to the exposure of their children to inclement weather and traffic hazards, and feel their children do not receive the full benefit of the developmental programs

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION

SPANGDAHLEM AIR BASE, CERMANY

4. PROJECT TITLE

5. PROJECT NUMBER

CHILD DEVELOPMENT CENTER

VYHK930709

offered because of the separation. Because the existing facilities are full, drop-ins are now on a reservation basis, sometimes two weeks in advance. Also, this situation cannot support additional children or changes in the mandated DoD instructor to child ratios. The people on the waiting list currently rely on the local communities for their child care, which is generally unlicensed and more expensive. Financial hardship and scheduling difficulties are common, since local off-base care providers' hours may not be consistent with shift or long working hours. IMPACT IF NOT PROVIDED: Without adequate child care for the dependents of active duty military and DoD civilians at Spangdahlem, morale and readiness will decline. Parents that have the extra burden of worrying about the care of their children simply will not operate as effectively as those who know their families are well cared for. Families will continue to be forced to use expensive child care programs or place children in unlicensed care in the local communities.

ADDITIONAL: This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. An economic analysis has been prepared comparing alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

	DU 1005 MILITARY CONCERNICATION PROTECT DATA	2. DATE
IR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
	ATION AND LOCATION	• · · · · · · · · · · · · · · · · · · ·
	·	
PANGDAHLI . PROJECT	M AIR BASE, GERMANY	OJECT NUMBER
. PROJECT	J. Pau	CJECI MUNDER
HILD DEVI	LOPHENT CENTER VY	HK930709
2. SUPPI	LEMENTAL DATA:	
a. Esti	imated Design Data:	
(1)	Status:	
	(a) Date Design Started	93 JUN 04
	(b) Parametric Cost Estimates used to develop costs	Y
	(c) Percent Complete as of Jan 1994	35%
	(d) Date 35% Designed.	94 JAN 15
	(e) Date Design Complete	94 AUG 01
(2)	Basis:	
	(a) Standard or Definitive Design -	YES
	(b) Where Design Was Most Recently Used -	RAMSTEIN
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	136
	(b) All Other Design Costs	
	(c) Total	136
	(d) Contract	100
	(e) In-house	36
(4)	Construction Start	95 JAN
. Equipa	Construction Start  ment associated with this project will be provided from copriations: N/A	
. Equipa	ment associated with this project will be provided from	
. Equipa	ment associated with this project will be provided from	
. Equipa	ment associated with this project will be provided from	
. Equip	ment associated with this project will be provided from	
. Equip	ment associated with this project will be provided from	
. Equip	ment associated with this project will be provided from	
. Equipa	ment associated with this project will be provided from	
. Equip	ment associated with this project will be provided from	

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS SPANGDAHLEM AIR BASE, GERMANY 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) VYHK903004 2.74.56U 831-165 7,200 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS LS 5,300 50,000 LF 90 (4,500)SEWER AND STORM DRAINAGE LINES LS 800) SYSTEM APPURTENANCES 810 SUPPORTING FACILITIES 150) LS UTILITIES LS 160) **PAVEMENTS** SITE IMPROVEMENTS LS 200) LS SOIL REMEDIATION 300) 6,110 SUBTOTAL CONTINGENCY (10%) 611 TOTAL CONTRACT COST 6,721 SUPERVISION, INSPECTION AND OVERHEAD (6.5%) 437 7,158 TOTAL REQUEST TOTAL REQUEST (ROUNDED) 7,200 10. Description of Proposed Construction: Alter, enlarge, and upgrade storm system. Install separate sanitary sewage collection system. Separate combined storm/sewer system in industrial areas. Construct storm-water collection basin. Install metering manholes at wastewater treatment plant. Project includes trenching, backfill, seeding, street repairs, soil remediation, all utility connections and necessary support. 11. REQUIREMENT: 55,000 LF ADEQUATE: 5,000 LF SUBSTANDARD: 50,000 LF PROJECT: Upgrade sewage and storm water collection systems. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. It is required by Executive Order 12088 and DoD Directive 6050.16, which call for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance Document (OEBGD)/Final Governing Standards (FGS), whichever is more stringent. The host nation wastewater quality law (Abwasserabgabengesetz-AbwAG) and water management law (Wasserhaushaltageaetz-WHG) are more stringent and require that no effluent be allowed to flow untreated into surface water. This project represents the US share of a \$30.5 million joint NATO, Federal Republic of Germany (FRG), and US program to correct deficiencies in the storm water and sanitary sewage collection and treatment system at Spangdahlem Air Base. The US, stand alone portion, separates the storm water and sanitary sewage collection systems; it will reduce the load at the existing treatment plant and eliminate the bypassing of raw sewage directly into a local stream during heavy rainfall. CURRENT SITUATION: Excess load caused by storm run-off and pipe infiltration causes the system to overflow and bypass the wastewater

treatment plant, spilling untreated raw sewage directly into the Kyll

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

SPANGDAHLEM AIR BASE, GERMANY

4. PROJECT TITLE

5. PROJECT NUMBER

UPGRADE SEWAGE AND STORM WATER COLLECTION SYSTEMS

VYHK903004

River and irrigation systems of neighboring communities. These incidents cause contamination of the river resulting in violation of host nation law. Additionally, it is a health hazard to the local residents. The existing sanitary/storm sewage system is a combined system designed for loads up to 400,000 gallons per day (GPD), and is over 40 years old. Recent study showed that the system handles 390,000 GPD on a normal "dry day" and up to 1,500,000 GPD whenever the base experiences measurable rainfall (typically two to three times per week during the rainy season between April and October). On average, the plant operates in the bypass mode 4 hours per day.

IMPACT IF NOT PROVIDED: The existing sewage collection system will remain out of compliance with both the OEBGD/FGS and host nation law. When it rains, raw sewage will continue to bypass the sewage treatment plant and flow untreated into the Kyll River and irrigation systems for fields surrounding the local community in violation of FRG environmental law. ADDITIONAL: The area serviced by this US project is not eligible for NATO funding. It does represent the US portion of a joint US, NATO and FRG effort. The US portion is a stand alone project and is not contingent upon the NATO and FRG funding. The FRG portion of this effort has been approved for funding. A preliminary analysis of reasonable options for accomplishing this project (status quo, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190. "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Pacility Requirements".

R FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
INCTALLA	(computer generated)	
THO LADINA	ION RAY BOOKITON	
	AIR BASE, CERMANY	
PROJECT 1	TITLE	. PROJECT NUMBER
AD 100 AT 1	OR AND ORODA HARRY COLL PORTON CYCEPAC	177177002004
GRADE SEW	GE AND STORM WATER COLLECTION SYSTEMS	VYHK903004
. Supple	ENTAL DATA:	
a. Estima	ated Design Data:	
(1)	Status:	
C	a) Date Design Started	89 OCT 13
	<ul> <li>Parametric Cost Estimates used to develop co</li> </ul>	
	Percent Complete as of Jan 1994	100%
	1) Date 35% Designed.	92 JUN 09
(	e) Date Design Complete	93 DEC 20
	Basis:	
	a) Standard or Definitive Design -	NO
(1	) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	274
	a) All Other Design Costs	
	c) Total	274
•	) Contract	217
•	e) In-house	57
(4)	Construction Start	94 DEC
		l from
	nt associated with this project will be provided oriations: N/A	1100
		· · · · · · · · · · · · · · · · · · ·

1. COMPONENT	. 1005 WILTERN CO						2. DA7	re	
	1995 MILITARY CO			RUGE	LAM			ł	
3. INSTALLATION AND L	(computer		)MMAND				S ADI	ZA CONST	
J. INSTRUMENTION AND EMORITOR			PORCE				5. AREA CONST COST INDEX		
THULE AIR BASE, GREENLAND			COMM	MD			2.48		
6. PERSONNEL	PERMANENT		TUDENTS		SID	PPOR		70	
STRENGTH	OFF ENL   CIV		ENL				LCIV	TOTAL	
a. As of 30 SEP 93	20 109 3			-	<u> </u>		-   U.V.	132	
b. End FY 1999	20 109 4							133	
1	7. INVENTORY	DATA	(s000)	<u> </u>					
a. Total Acreage: (			<u> </u>						
b. Inventory Total As							399,0	20	
c. Authorization Not							12,70		
d. Authorization Requ		gram:					2,4		
e. Authorization Incl	uded In Following	Progr	ram: (	(FY 1	996)		7,60		
f. Planned In Next Th	ree Program Years	:					13,90		
g. Remaining Deficien	icy:						•	0	
h. Grand Total:							435,6	70	
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY ]	1995		· _ <del>-</del>				
CATEGORY					COS	r j		STATUS	
CODE PROJ	ECT TITLE	9	SCOPE		(\$000	<u>0)</u>	START	CMPL	
179-511 FIRE TRAININ	G FACILITY						SEP 93	JUL 94	
			TOTAL		2,4		<del></del>		
9a. Future Projects:	Included in the						996)		
721-312 ALTER DORMIT	ORY	- 2	27,120	_				ļ	
Ob Probable		•	TOTAL:		7,6	00			
9b. Future Projects: 721-315 DORMITORY	Typical Planned	Next						Ì	
833-354 SOLID WASTE	DICDOCAL PACTITION			PN				1	
10. Mission or Major	Punctions: A on		12,000	SF	5,3	<u> </u>		-1125-	
tracking detachment.	runctions: A sp	ace wa	arning	squa	laron	and	a sate	strice	
11. Outstanding poll	ution and cafety	(UGR)	dofic	000				╌╌┼	
. outstanding por	ucton and safety	(0311)	deric	renc:	.88.				
a. Air pollutio	nn:							,	
b. Water pollut							5,300		
	safety and healt	h:					•		
d. Other Enviro								<b>5</b>	
							•	•	
ţ								ŀ	
								1	
								1	
								i	
								į.	
]									
ì								}	
								}	
								Ì	
								Í	
ļ									
1								İ	

1. COMPONENT	FY 1995 MILITAI	V CONSTRI	ICTION	ם ב	ነ የድሮጥ	DATA		DATE				
AIR FORCE		nputer ger			MECI	DUIN	`					
3. INSTALLATION	AND LOCATION	puco. Au-	4.	PRO.	JECT :	TITLE	<del></del>					
								-				
THULE AIR BASE,	GREENLAND						CILITY					
5. PROGRAM ELEM	ENT 6. CATEGORY	CODE 7. PE	ROJECT	נטאיי	BER	8. P	ROJECT	COST(\$UUU)				
3.58.56 179-511 WWCX953003							2,450					
3.58.56		COST EST				·						
		0001. 101.					UNIT	COST				
	ITEM				QUAN	TITY	COST	(\$000)				
FIRE TRAINING F	ACILITY			LS				1,800				
SUPPORTING FACI	LITIES							405				
UTILITIES				LS	ļ	į	ı	( 150)				
FUEL STORAGE				LS	l			( 75)				
SITE PREPARAT				LS	}			(_105)				
SPECIAL SLAB	INSULATION			L.S	l			2,205				
CONTINGENCY (52	3			•	İ			110				
TOTAL CONTRACT	· ·			]	}			2,315				
SUPERVISION, IN	SPECTION AND OVE	RHEAD (6.	5%)	Ì				150				
TOTAL REQUEST				ļ	1			2,465				
TOTAL REQUEST (	ROUNDED)			ĺ	1			2,450				
10 Possesiania	of December Co		P		Ti-	i 1	? <u>-</u> :1:*	(Park)				
10. Description	on of Proposed Co	nstruction	n: r	ire	Train	ing !	acility	(FTF)				
	00 ft. dia. lined came aircraft sim											
tank (for JP-4)	; a fuel/water s	eparator:	a li	ne e	fflue	nt h	olding p	ond; and				
fuel and water	pumps & piping s	ystems.	Inclu	des	concr	ete :	slab wit	h				
special high he	at resistance an	d reinfor	cing	to m	eet a	rcti	requir	ements.				
	IT: 1 EA ADEQUA											
	ruct a fire trai		-									
	This is a Level I ling is a quarter											
	ing is a quarter a level of profic											
	raining requirem											
	overning environ											
	ply with the "Fi											
	n Greenland, an											
	ator, and a nond											
soil and groundwater contamination is required. In addition, a specially												
insulated pit is needed to preclude any melting of the permafrost which, in turn, will insure there is no settling of the pit.												
CURRENT SITUATI			_		•	tre	inino fa	ciliry				
	and the proficie											
	ng diminished.											
existing aircra	ift mock-up, are	contamina	ting	the	surro	undi	ng soil.					
	nas been containe											
	vever, continued											
	es the standards in Greenland. In											
THE CALLACTORS 1	n Greenrand. In	MATETON	, the	. E 1	9 110	OTT\	water se	hararor				

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

2. DATE

3. INSTALLATION AND LOCATION

THULE AIR BASE, GREENLAND

4. PROJECT TITLE

5. PROJECT NUMBER

FIRE TRAINING PACILITY

WWCX953003

to separate water mixed with foaming agents and unburned fuels. The existing structure does not meet Air Force standards for live-fire training with the aircraft mock-up. Thule has a variety of aircraft, ranging from military fighters (training) to large transport (resupply) and numerous commercial aircraft (primarily Danish). During the 9-month-long winter season, air traffic provides the only area access in or out, and fire training of aircraft crash and rescue personnel is essential.

IMPACT IF NOT PROVIDED: The required live-fire training for the assigned fire fighters would continue to be inadequate; and the proficiency of our personnel in aircraft crash fire fighting would continue to diminish. Without the stress and realism which come only with live fires, the fire fighters lose proficiency in combating fires, and the potential for loss of life and aircraft is increased. Fire training operations using the existing aircraft mock-up would continue to contaminate the surrounding soil. The facility would continue to be out of compliance with the standards governing environmental protection at US installations in Greenland.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide", or AFM 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet mission requirements; therefore, no economic analysis was needed or performed. A Certificate of Exception to Economic Analysis has been prepared. Project has been considered for FY98 force structure end strength.

TR BORGE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE				
IR FORCE	(computer generated)					
. INSTALLATI	ON AND LOCATION					
	•					
	SE, GREENLAND					
. PROJECT TI	TLE 5. PR	PROJECT NUMBER				
IRE TRAINING	FACILITY W	CX953003				
2. SUPPLEME	ENTAL DATA:					
a. Estimat	ed Design Data:					
(1) St	atus:					
	Date Design Started	93 SEP 09				
	Parametric Cost Estimates used to develop costs					
	Percent Complete as of Jan 1994	45%				
	Date 35% Designed.	93 DEC 30				
	Date Design Complete	94 JUL 30				
(2) Ba						
	Standard or Definitive Design -	YES				
(ь)	Where Design Was Most Recently Used -	TYNDALL				
(4) -						
	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000				
	Production of Plans and Specifications	130				
	All Other Design Costs	174				
7	Total	304				
(d)		234				
(e)	In-house	70				
,,,						
	onstruction Start	94 OCT				
	onstruction Start	94 OCT				
(4) Co	associated with this project will be provided fro					
(4) Co	associated with this project will be provided fro					
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro					
(4) Co	associated with this project will be provided fro					
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro					
(4) Co	associated with this project will be provided fro					
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro					
(4) Co	associated with this project will be provided fro	·				
(4) Co	associated with this project will be provided fro	·				

1. COMPONENT					12.	DAT	Ē	
1	1995 MILITARY CO	NSTRUCTION	PROGR	MAJ	1			Ì
AIR FORCE	(computer	generated)						
3. INSTALLATION AND L		4. COMMAND			5.		A CON	
ROYAL AIR FORCE LAKEN	HEATH, UNITED	UNITED STA			}		T IND	EX
KINGDOM		FORCES IN				1.	40	
6. PERSONNEL	PERMANENT	STUDENT			ORTED	$\rightarrow$		Ì
STRENGTH	OFF ENL CIV		CIV		ENL C	:IV	TOTA	
a. As of 30 SEP 93	462 2894 205	1 1		1	5		3,5	
b. End FY 1999	501 3872 225		<del>{</del> -	2	7	_	4,6	07
Total Assessed	7. INVENTORY	DATA (\$000	<u> </u>					}
a. Total Acreage: (b. Inventory Total As	2,340)				1.00		,	1
c. Authorization Not						, 08		- {
d. Authorization Requ						, 60		-
e. Authorization Incl			/EV 1	006)		,10 ,85		}
f. Planned In Next Th			(61 1	390/		, 50 , 50		- 1
g. Remaining Deficien		•			23	•	0	1
h. Grand Total:	~ <i>,</i> ·				วกร	,13	~	I
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY 1995				. د. و	<del></del>	$\dashv$
CATEGORY				COST	DEST	GN :	STATU	s
l i i	ECT_TITLE	SCOPE		(\$000)			CMP	1
1	<u>-</u>			11			<u> </u>	<del>-</del> ]
216-642 F-15E ADD TO	MUNITIONS	3,200	SF	850	APR	93	AUG	94
MAINTENANCE		·						
721-312 ADD TO AND A		158	PN	3,700	APR	93	JUL	94
871-183 UPGRADE STOR	M DRAINAGE SYSTEM	20,000	LF _	2,550	AUG	93	AUG	94
	·	TOTAL	:	7,100				
9a. Future Projects:	Included in the	Following 1	Progr	am (FY	1996)			Ţ
211-157 ADD TO JET E		16,200						
721-312 ADD TO AND A		156	PN	•				- 1
842-245 ADD TO AND A			LS	4,150				
DISTRIBUTION	N MAINS		_		-			1
Ob Busines Business	Maria 1 m3 mari	TOTAL	<u>:</u>	10,850				
9b. Future Projects: 121-111 CONSTRUCT BA	TABLES CONDIER							İ
141-753 ADD TO AND A		8,000						1
FACILITY	LIER MAINIENANCE	11,000	5r	1,100				l
610-128 CONSOLIDATED	SIIDDODT CENTED	54,000	C P	7 500				
610-128 COMBAT READI	NEGG CENTED POLLOKI CENTER							ļ
721-312 ADD TO AND A		25,000 162		3,700 3,800				1
	Functions: A fig	hter wine	rith	3,000 two F-	15 000	00-		
and an Air Force region	onal hospital	Purer will ,	~ I ( []	LWU F-	r) sdn	aur(	JIIS	1
	ition and safety	(OSH) defici	ienci	es:				
)								١
a. Air pollution	ı:					0		
b. Water pollut						Õ		1
	safety and health	a:				ő		
d. Other Environ						Õ		-
						•		
								- 1
								- [
								- 1
L		<del></del>						

1. COMPONENT								2.	DATE
	FY	' 1995 MILITA			_	OJECT DAT	TA		
AIR FORCE			mput	er gener					
3. INSTALLATION					4. PRO	JECT TITI	Æ		
ROYAL AIR FORCE	LAK	ENHEATH,							
UNITED KINGDOM						AND ALTE			
5. PROGRAM ELEM	ent	6. CATEGORY	7. PROJ	IECT NU	MBER 8.	PROJEC	T C	OST(\$000)	
		701 010							2 700
2.75.96U		721-312			<u>1923000</u>				3,700
		9	. CUS	r estima	TES	<del> </del>	1		
							UNIT	1	COST
		ITEM				QUANTITY			(\$000)
ADD TO AND ALTE					SF	28,500	1	- 1	2,718
ADDITION (EXT	ERIC	OR ENTRANCES	)		SF	3,000	7	56	
ALTERATION					SF	25,500	1	00	(2,550)
SUPPORTING FACI	LITI	ES				İ		-	560
UTILITIES					LS	}	1	i	( 195)
PAVEMENTS					LS		1		( 195)
SITE IMPROVEM	ENTS	}			LS	}	Ì	Ì	( 85)
COMMUNICATION	S				LS	l	İ	Į	( <u>85</u> )
SUBTOTAL						l			3,278
CONTINGENCY (10	<b>Z)</b>				I	ļ		ļ	328
TOTAL CONTRACT	COS1	1				1			3,606
SUPERVISION, IN	SPEC	TION AND OV	ERHEA	D (2.5%)	)	Į.	1	- 1	90
TOTAL REQUEST									3 696
							1		

10. Description of Proposed Construction: Provide room-bath-room configuration, exterior entrances, areas for recreation, laundry, and storage. Project includes sound attenuation, insulation and other energy conservation features, fire protection, all utilities, necessary support, site work and exterior public areas.

Grade Mix: 158 E1-E4.

TOTAL REQUEST (ROUNDED)

11. REQUIREMENT: 2,340 PN ADEQUATE: 1,018 PN SUBSTANDARD: 1,179 PN PROJECT: Add to and alter dormitory. (Current Mission)
REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform overseas.

CURRENT SITUATION: RAF Lakenheath has the oldest dormitories in USAFE's inventory; this dormitory was constructed in 1964. This dormitory has central gang latrines and less than adequate space for laundry, recreation, and storage. The infrastructure of the dormitory consists of inadequate individual heat controls, insufficient insulation and noise attenuation. Maintenance and repair costs for maintaining the infrastructure are out of balance when compared to similar modern facilities. Heating costs for this facility are excessive due to lack of individual heating controls and poor insulation. Occupants must regulate heating through opening of windows during all times of the year to suit individual preferences. The majority of unaccompanied enlisted personnel assigned to RAF Lakenheath live in these dormitories which do not meet current Air Force standards, or they are forced to live in off-base

3,700

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION  LAKEN LEATH, UNITED KINGDOM	
4. PROJECT TITLE		PROJECT NUMBER

ADD TO AND ALTER DORMITORY

MSET923000

quarters costing more than they can afford. The current average occupancy rate is 93 percent. Approximately 178 junior enlisted personnel struggle to afford off-base apartments. Enlisted personnel must use "out of pocket" funds, above their basic allowance for quarters (BAQ), or live in substandard accommodations.

IMPACT IF NOT PROVIDED: RAF Lakenheath will continue to fail in meeting the minimum Air Force standards for dormitory living. The dormitory will require an excessive amount of reintenance and repair funds to ensure the infrastructure is adequately serviced. Heating costs will be inordinate due to poor heating controls and insulation. Junior enlisted personnel will continue to be housed in substandard dormitories which degrades morale, career satisfaction and productivity.

ADDITIONAL: This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event the criteria changes for facilities of this type. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present value and benefits of the respective alternatives, revitalization was found to be the most cost-effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

		E LAKENHEATH, UNITED KINGDOM	ROJECT NUMBER
. PROJECT	TIT		
DD TO ANI	ALT	ER DORMITORY H	SET923000
2. SUPPI	EMEN	TAL DATA:	
a. Est	mate	d Design Data:	
(1)	Sta		
		Date Design Started	93 APR 26
		Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1994	50%
		Date 35% Designed.	93 JUL 15
		Date Design Complete	94 JUL 31
(2)	Bas	is:	
		Standard or Definitive Design -	YES
	(P)	Where Design Was Most Recently Used -	LAKENHEA
(3)		al Cost (c) = (a) + (b) or (d) + (e):	(\$000
		Production of Plans and Specifications	185
		All Other Design Costs Total	185
		Contract	185
	•	In-house	
(4)	Con	astruction Start	95 MAR
. Equip		associated with this project will be provided frations: N/A	· Otta

1. COMPONENT FO		ONSTRUCTION PROJECT	DATA 2. DATE					
3. INSTALLATION AND LOCATION 4. PROJECT TITLE ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM UPGRADE STORM DRAINAGE SYSTEM								
	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)					
2.74.56U	871-183	MSET879005	2,550					
	9. COS	r estimates						

	Ī		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE STORM DRAINAGE SYSTEM	LF	20,000	77	1,540
SUPPORTING FACILITIES				830
UTILITIES	LS			( 535)
PAVEMENTS	LS			( 75)
SITE IMPROVEMENTS	LS	İ	,	( 70)
SOIL REMEDIATION	LS	Į į		( <u>150</u> )
SUBTOTAL	ľ	i		2,370
CONTINGENCY (5%)	Ì	1		119
TOTAL CONTRACT COST	1		1	2,489
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)	1	<u> </u>		<u>62</u>
TOTAL REQUEST	Ţ	l		2,551
TOTAL REQUEST (ROUNDED)	ŀ			2,550
	1	1		
	1	1		
	1	,		
	1			
	1			
	1	]		

10. Description of Proposed Construction: Replace open surface collection system with new concrete piping storm water collection system. Includes drop inlets, manholes, oil/water separators, excavation, soil remediation, grading, repair of paved surfaces removed for road crossings during installation, repair, and replacement of the storm drainage system. Remove existing leach fields in the aquifer protection zone.

11. REQUIREMENT: 252,763 LF ADEQUATE: 232,763 LF

SUBSTANDARD: 20,000 LF

PROJECT: Upgrade storm drainage system. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. is required by Executive Order 12088 and DoD Directive 6050.16, which calls for overseas installations to comply with host nation law or the Overseas Environmental Baseline Guidance Document (OEBGD)/Final Governing Standard (FGS), whichever is more stringent. The host nation Water Resources Act and the Water Act are more stringent and require that areas of potential pollution to ground water be protected from pollutants. project represents the US share of a joint US-NATO program to correct deficiencies in the storm drainage system. The US stand-alone portion ensures all surface waters, within the aquifer protection zones, will pass through an oil/water separator into a surface water discharge point. zones are registered with the National Rivers Authority and include aircraft movement areas, workshop areas, POL storage, and heavy vehicle parking areas. This project allows proper drainage from pavements and ensures proper segregation of pollutants that may contaminate the soil. **CURRENT SITUATION:** Vehicle parking areas within the aquifer protection zone do not have storm drainage systems. Storm water is being discharged to leach fields and, in some cases, directly into the ground. The fuel

ı	1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
	3. INSTALLATIO		
	ROYAL AIR FORC	E LAKENHEATH, UNITED KINGDOM	
	4. PROJECT TIT		PROJECT NUMBER
i			

MSET879005

truck parking compound is within the aquifer protection zone and has no protection in the event of a spill. The surface water drains directly into the soil and ultimately comes in contact with the ground water. Both of these situations result in soil contamination and ground water pollution. Flooding is a problem near three maintenance hangars because none have surface water drainage systems. As an interim solution, one hangar has installed sandbags around the facility to prevent water from coming in the shop. Flooding is a frequent problem (3-5 times a month during rainy season). The hangar areas will be connected to the base system with this project. Additionally, three leach fields must be removed and the drainage tied into the base storm drainage system. IMPACT IF NOT PROVIDED: The existing storm drainage system will remain out of compliance with the OEBGD/FGS and host nation law. Noncompliance risks contaminating the aguifer from which the base and local communities obtain drinking water. There is the potential for the UK government to fine and take legal action against the host base RAF Commander if we continue to be in noncompliance. Isolated flooding will continue to occur, causing delays in maintenance and risking damage to valuable USAF

ADDITIONAL: The area serviced by this US project is not eligible for NATO funding. It does represent the US portion of a joint US-NATO project. The US portion is a stand alone project and is not contingent upon the NATO funding. The NATO portion will be proposed for inclusion into the next NATO Infrastructure Capability Package (ICP). A preliminary analysis of reasonable options for accomplishing this project (status quo, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

Page No

UPGRADE STORM DRAINAGE SYSTEM

1. COMPONI	ENT		2. DATE
	- 1	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AIR PORCE		(computer generated)	
3. INSTAL	LATIC	ON AND LOCATION	
ROYAL AIR	FORC	CE LAKENHEATH, UNITED KINGDOM	
4. PROJEC			. PROJECT NUMBER
UPGRADE S'	TORM	DRAINAGE SYSTEM	MSET879005
12. SUPPI	LEMEN	NTAL DATA:	
a. Est:	imate	ed Design Data:	
(1)	Sta	ntus:	
		Date Design Started	93 AUG 13
	(b)	Parametric Cost Estimates used to develop co	
	(c)	Percent Complete as of Jan 1994 Date 35% Designed.	35%
			94 JAN 15
	(e)	Date Design Complete	94 AUG 31
(2)	Bas		
		Standard or Definitive Design -	МО
	(P)	Where Design Was Most Recently Used -	N/A
(3)	Tot	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	(a)	Production of Plans and Specifications	128
	(b)	All Other Design Costs	
		Total	128
		Contract	128
	(e)	In-house	
(4)	Con	nstruction Start	95 MAR
b. Equipa other appr		associated with this project will be provided ations: N/A	from

Page No

	1. COMPONENT FY	1995 HILIT	ARY CO			PROGR	LAM		2. DAT	PE ,	
	3. INSTALLATION AND LOVARIOUS LOCATIONS				MMAND	_	.=		COS	EA CONST OST INDEX	
-	6. PERSONNEL	PERMANENT STUDENTS SUPPOR				PORT					
	STRENGTH	OFF ENL	CIV	OFF		CIV				TOTAL	
	a. As of							_			
	b. End FY										
	a. Total Acreage: (	7. INV	ENTORY	DATA	(\$000	)					
	b. Inventory Total As c. Authorization Not Y d. Authorization Reque e. Authorization Inclu f. Planned In Next The g. Remaining Deficience h. Grand Total:	et In Invested In The Inded In Folgree Program  y:	entory: is Pro lowing Years	Progr		(FY 1	996)				
	8. PROJECTS REQUESTED CATEGORY	IN THIS PR	CUGRAM:	FY I	.995		COST	r r	FCICN	STATUS	
		CT TITLE		ç	COPE		(\$000	-	START	CMPL	
		<del></del>		=					~ 11m/1	<u> </u>	
	010-211 PLANNIN	G & DESIGN			1	LS	49,38	6		t	

	1. COMPONENT I	Y 1995 MILITARY CO	ONSTRUCTION er generate	_	DJECT DATA		DATE
	3. INSTALLATION AP		4.	PRO.	JECT TITL		
	5. PROGRAM ELEMENT 9.12.11D	6. CATEGORY CODE		נטא ז		PROJECT	COST(\$000)
•			ESTIMATE:		<del></del>		.,,,,,,,
		ITEM			QUANTITY	UNIT	COST (\$000)
	PLANNING AND DESIGN SUBTOTAL TOTAL CONTRACT COSTOTAL REQUEST TOTAL REQUEST (RO	T		LS			49,386 49,386 49,386 49,386 49,386

10. Description of Proposed Construction: The funds requested will be used to provide financing for architectural and engineering services and construction design for Air Force Military Construction Programs.

11. REQUIREMENT: As required.

REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY 96 Military Construction Program, initiate design of facilities in the FY 97 Military Construction Program and accomplish planning and design for major and complex technical projects with a long lead-time to be included in subsequent Military Construction Programs. Also provides funds for value engineering and for the support of construction management activities of projects that are funded by foreign governments and for design of classified and special programs.

1. COMPONENT	FY	1995		ARY CO			PROGE	LAM		2.	DA1	re
AIR FORCE				puter 1						+-		
3. INSTALLATIO	IN AND LO	CATI	N		4. CC	MMAND				١٠,		A CONS
					1							T INDE
VARIOUS LOCATI	ONS		-22							<u> </u>		.00
6. PERSONNEL	_		ERMAN			UDENT			POR			
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	EN	L	CIV	TOTAL
. As of				1			[ i			1		
. End FY				<u> </u>	<u></u>		لسل					
	<del> </del>		. INV	ENTORY	DATA	(\$000	<u> </u>					
. Total Acres			)									
. Inventory 1	Total As	Of:	(30 S	EP 92)								
. Authorizati	on Not	et I	n Inve	ntory:								
d. Authorizati					gram:							
. Authorizati						cam:	(FY 1	996)				
. Planned In												
g. Remaining I												
h. Grand Total		-,										
B. PROJECTS RE		IN T	IIS PR	OGRAM:	FY 1	995						
CATEGORY								COST	•	DES	TCN	STATUS
CODE	וז חפק	ECT T	TTE			COPE		(\$000			ART	CMPL
<u>9000</u>	1 11001		100			<u></u>		1000	<u>.</u>	9.	112(1	OIII D
010-211 UNSPI	CIFIED 1	11 NOR	CONST	RUCTIO	N		LS	7,00	00			

	1. COMPONENT	P1	7 1995 N.S.ITA	RY CC	NSTRUC'	CION	PRO	LIECT	DATA		2.	DATE	Ī
	AIR FORCE	•			r gene					·			l
1	3. INSTALLATI	ON ANI						JECT :	TITLE	<u> </u>			Ī
													l
	VARIOUS LOCAT											RUCTION	1
	5. PROGRAM EI	<b>EMENT</b>	6. CATEGORY	CODE	7. PRO	JEC 1	C NUR	BER	8. I	PROJEC	T (	COST(\$000)	l
	9.12.11M		010-211		PAY	<u> 2924</u>	0150	<u> </u>				7,000	
			9.	COST	ESTIM	ATES							Į
										UNIT	-	COST	١
_			ITEM					QUAN	TITY	COST	[	(\$000)	ł
	UNSPECIFIED N	IINOR (	CONSTRUCTION				LS					7,000	l
	SUBTOTAL	m aca	<b>.</b>									7,000 7,000	I
	TOTAL CONTRACTOR TOTAL REQUEST		ľ						:			7,000	١
	TOTAL REQUEST		NDED)									7,000	l
	TOTAL REQUES	(100)	NODD /			i						,,,,,,	١
													l
													١
												ĺ	ı
													I
	•												İ
	ļ												۱
								•					l
	[												l
	1											•	١
													l
	1						i	I		I		1	1

Description of Proposed Construction: Provide a lump sum amount for unspecified construction projects, not otherwise authorized by law, having a funded cost between \$300,000 and \$1,500,000, including construction, alteration or conversion of permanent or temporary facilities, in accordance with 10 USC 2805.

11. REQUIREMENT: As required.

REQUIREMENT: This package provides the means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY 95. Included would be projects to support new mission requirements, support of new equipment and concepts and other essential support to Air Force missions and functions that could not wait until availability of FY 96 Military Construction Program funds. 10 USC 2805 provides authority to the Secretaries of the military departments to accomplish projects of this nature.

. COMPONENT	FY 1995 MILITARY C			DATA		DATE
IR FORCE INSTALLATION	ON AND LOCATION	er generated 4. P	ROJECT	TITLE		
ARIOUS			ECTS \$1			
. PROGRAM ELI	EMENT 6. CATEGORY CODE	/. PROJECT	NUMBER	8. PI	ROJECT	CUST(ŞUUU
	9. COS	T ESTIMATES				,
	TFDM	,	M QUAN	TT TV	UNIT	(\$000)
· · · · · · · · · · · · · · · · · · ·	ITEM		VII QUAN	1111	COST	(3000)
			}	1		
			]			
			1	[		
				1		
			ł			
			ŀ	ļ		
0. Descript	ion of Porposed Constr	uction:				<b>!</b>
Following	g are individual justi	fication par	agraphs	for a	all pro	jects
\$1 million as	nd under.					
	***************************************				_	
	VARIOUS LOCATIONS - VARIOUS LOCATIONS -					
	VARIOUS DOCATIONS	COISIDE IRE	ONLIED	PIAII	29	
FORM 1391, 1	NPC 76					
PURM IXVI I	JEC / D Previous	editions ar	e obsol	ete.	P	age No

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES 5. PROJECT NUMBER 4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER COST PROJECT TITLE **(\$000)** STATE AND LOCATION **KANSAS** MCCONNELL AFB (AMC) UPGRADE STORM DRAINAGE 500 **FACILITIES** PROE962500 871-183

Upgrade storm drainage facilities. (Current Mission) This is a Level II environmental compliance requirement. This project is required to satisfy the Clean Water Act requirement under 40 CFR 122 for storm water discharge. The storm water permit was issued 1 Oct 93. The base is required to be in compliance with their National Pollutant Discharge Elimination System (NPDES) permit by Oct 96. The base is required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are required to eliminate sources of pollutants to storm drains. Presently, the base does not have adequate storm water control measures for the industrial areas of the base. There are no control structures to prevent storm water runoff from industrial areas of the base from entering the surface waters off base. Additionally, non-storm water discharges (process water and sanitary wastewater) are connected to the storm drainage system. These existing cross-connections will not be allowed by the NPDES permit. McConnell AFB will be out of compliance with their NPDES permit. The continuous violation of storm water regulations have the potential for fines up to \$25,000 per day per violation and could create adverse publicity. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."

	PY 1995 MILITARY CONSTRUCTION PROJECT DATA	
IR PORCE	ATION AND LOCATION	
· ANGIND		
	AIR FORCE BASE, KANSAS	
. PROJEC	TITLE 5. PRO.	JECT NUMBER
PGRADE S'	FORM DRAINAGE FACILITIES PRO	E962500
2. SUPP	LEMENTAL DATA:	
a. Est	mated Design Data:	
(1)	Status:	
,-,	(a) Date Design Started	93 SEP 23
	(b) Parametric Cost Estimates used to develop costs	Y
	(c) Percent Complete as of Jan 1994	352
	(d) Date 35% Designed.	93 DEC 20
	(e) Date Design Complete	94 AUG 12
(2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	30
	(b) All Other Design Costs	55
	(c) Total	85
	(d) Contract	
	(e) In-house	85
(4)	Construction Start	95 JAN
	ment associated with this project will be provided from	
tner app	ropriations: N/A	

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES 5. PROJECT NUMBER 4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER COST STATE AND LOCATION PROJECT TITLE (\$000) MISSISSIPPI KEESLER AFB (ATC) UPGRADE FIRE SUPPRESSION 640 MAHG953009 SYSTEM

Upgrade hangar fire suppression system. (New Mission) Air Force standards require an AFFF system be provided in hangar spaces used for maintenance operations on aircraft. An existing facility is available at the installation to support the new C-21 mission, but requires a fire suppression system be installed for it to be a complete and usable facility for the C-21 mission. There are no other adequate facilities available on the installation to support this new requirement. Adequate hangar space will not be available for the beddown of the C-21 mission. A fire protection waiver for the C-21 aircraft will be required until a AFFF system is installed in the facility. Maintenance operations will be more difficult to perform because of work limitations imposed by the waiver. The aircraft will also be in operation at a higher risk of damage or destruction because the appropriate fire suppression system will not be available for use in the facility. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". This project has been considered for FY 98 force structure end strength.

880-232

· ·	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
. INSTALLAT	ON AND LOCATION	
	ORCE BASE, MISSISSIPPI	
. PROJECT T	J. PB	OJECT NUMBER
PGRADE FIRE	SUPPRESSION SYSTEM MA	NHG953009
2. SUPPLEMI	ENTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atus:	
	Date Design Started	93 JUL 30
(b)	Parametric Cost Estimates used to develop costs	Y
	Percent Complete as of Jan 1994	15%
	Date 35% Designed.	94 MAR 15
(e)	Date Design Complete	94 SEP 20
(2) Ba	usis:	
	Standard or Definitive Design -	NO
(ъ)	Where Design Was Most Recently Used -	N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	Production of Plans and Specifications	35
(b)	All Other Design Costs	45
	Total	80
(d)	Contract	45
(e)	In-house	35
(4) Cc	enstruction Start	95 JAN
. Equipment	mstruction Start  associated with this project will be provided fro iations: N/A	·
. Equipment	associated with this project will be provided fro	-
. Equipment	associated with this project will be provided fro	-
. Equipment	associated with this project will be provided fro	·
. Equipment	associated with this project will be provided fro	·
. Equipment	associated with this project will be provided fro	·
. Equipment	associated with this project will be provided fro	·
. Equipment	associated with this project will be provided fro	·
. Equipment	associated with this project will be provided fro	·

	1. COMPONENT				2. DATE
	1. COMPONENT	FY 199	5 MILITARY CONSTRUCTION PROJE	CT DATA	Z. DAIL
	AIR FORCE		(computer generated)		<u> </u>
	3. INSTALLATION		ATION HIN THE UNITED STATES		
•	4. PROJECT TIT		UNDER	5. PR	OJECT NUMBER
-	STATE AND LOC.	ATION	PROJECT TITLE		COST (\$000)

OFFUTT AFB (ACC) SGBP9609C2

UNDERGROUND FUEL STORAGE TANKS

760

411-135

Remove, replace or upgrade underground fuel storage tanks. (Current Mission) This is a Level II environmental compliance requirement. Upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overfill prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible. However, existing underground petroleum product storage tanks which are in good condition and may be upgraded in-place must be brought into compliance with applicable UST standards. Underground storage tanks at Offutt AFB do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and spill/overfill protection. Replacement of ten tanks ranging from 300 to 1,000 gallons, and the upgrade of four tanks, ranging from 2,000 to 25,000 gallons, are required to assure environmental compliance. Failure to replace these tanks at Offutt AFB will result in an unacceptable risk of pollution. Additionally, Offutt AFB will not be in compliance with federal and state environmental requirements thereby subjecting the base to enforcement action and monetary penalties. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

IR FORCE		THE LOOP WILLIAM ON CONCENTION ON THE PROPERTY OF	2. DATE
	İ	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	<b>,</b>
	ATION	AND LOCATION	
PROJECT		E BASE, NEBRASKA	. PROJECT NUMBER
. PROJECT	1111	·	. PROJECT NUMBER
INDERGROUN	) FUE	L STORAGE TANKS	SGBP960902
2. SUPPL	ement	TAL DATA:	
a. Estir	nated	l Design Data:	
(1)	Stat	us:	
		Date Design Started	93 JUN 14
		Parametric Cost Estimates used to develop co	
		Percent Complete as of Jan 1994	35%
		Date 35% Designed.	93 DEC 20
	(6)	Date Design Complete	94 MAR 17
(2)	Basi	.s:	
		Standard or Definitive Design -	NO
!	(P)	Where Design Was Most Recently Used -	N/A
(3)	Tota	al Cost (c) = $(a) + (b)$ or $(d) + (e)$ :	(\$000
,	(a)	Production of Plans and Specifications	45
		All Other Design Costs	58
		Total	103
		Contract	• • •
'	(e)	In-house	103
(4)	Cons	struction Start	95 JAN
		associated with this project will be provided	from
ther appro	oprie	tions: N/A	
		· ····	

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE

5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

STATE AND LOCATION

PROJECT TITLE

COST (\$000)

**OKLAHOMA** 

VANCE AFB (ATC) XTLF933301 179-511 FIRE TRAINING FACILITY

980

Construct a fire training facility. (Current Mission) This is a Level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122.26). Construct a fire training facility (FTF) which meets CWA, Clean Air Act and Resource Conservation and Recovery Act (RCRA) requirements as applicable. Provide an impermeable liner below the burn area, fuel/water separator, and a nondischarging effluent holding pond to prevent contamination of soil and groundwater. Live fire training is an FAA established quarterly training requirement for the fire fighters to maintain a high level of proficiency. It is Air Force policy to have a fire training facility on every major Air Force installation to meet fire training requirements, which complies with all applicable environmental requirements. The existing facility does not meet the CWA requirements and has been closed since 1 May 93. Training is currently not conducted. The existing site is currently designated as an Installation Restoration Program (IRP) site and is undergoing remedial investigation funded by Defense Environmental Restoration Account (DERA). Fire fighters will not remain proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and the accident victims will be compromised. TDY training is not feasible due to the funded level of manning and mission support requirements. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Project has been considered for FY98 force structure end strength.

COMPONE	NT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DA	\TE
n PADAR		(computer generated)	,	
R FORCE	ATTO	N AND LOCATION		
TWOINT	WIIO	n and bookilon		
NCE AIR	FORC	E BASE, OKLAHOMA		
PROJECT			. PROJECT	NUMBER
			XTLF933	201
RE TRAIN	IING	FACILITY	AILF 933.	201
2. SUPPI	.EMEN	TAL DATA:		
a. Esti	imate	d Design Data:		
(1)	Sta	itus:		
•-•		Date Design Started	• •	FEB 16
	(b)	Parametric Cost Estimates used to develop co	osts	N
	(c)	Percent Complete as of Jan 1994		602
		Date 35% Designed.	• •	OCT 01
	(e)	Date Design Complete	94	JUN 01
(2)	Bas	sis:		
		Standard or Definitive Design -		ES
	(P)	Where Design Was Most Recently Used -	L	UKE
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):		(\$000
(-,		Production of Plans and Specifications		58
	(b)	All Other Design Costs		36
		Total		94
		Contract		64
	(e)	In-house		30
(4)	Cor	nstruction Start		94 DEC
. Equip	mant	associated with this project will be provided	d from	
		associated with this project will be provided		
-mer abb	- ohr 1			

300

٠	1. COMPONENT			2. DATE	
	F	Y 1995 MILITARY CONSTRUCTION PROJECT DAT	ſΑ		ļ
	AIR FORCE	(computer generated)			4
	3. INSTALLATION AN	D LOCATION			ı
		•			İ
	VARIOUS LOCATIONS	- WITHIN THE UNITED STATES			$\downarrow$
	4. PROJECT TITLE	•	5. PRO	DJECT NUMBER	- 1
	ļ				
	PROJECTS \$1 MILLIO	N AND UNDER			-Ì
					-
				COST	- 1
	STATE AND LOCATIO	N PROJECT TITLE		<u>(\$000)</u>	.
			•		- 1
	CLASSIFIED LOCATI	<u>on</u>			ľ

CLASSIFIED F (ACC) HTAC943045 452-252 WAR READINESS MATERIEL OPEN

650

STORAGE FACILITY

Construct a war readiness materiel (WRM) open storage facility. (New Mission) Open storage facilities are required for prepositioning and long-term storage of durable WRM assets. These assets must be ready for use by US Central Command forces. This project supports USCENTCOM/host nation agreements. Other facilities in the host country are unavailable for WRM storage requirements. WRM assets moved into the region during Operation DESERT SHIELD/DESERT STORM must either be stored in country or returned to the CONUS. CONUS storage and roundtrip transportation will exceed storage cost in the host country. The round trip transportation cost to move this equipment between the United States and the Southwest Asia region is nearly \$2.0 million. Under present conditions, the prepositioned equipment is not secured to the level required for valuable war fighting assets. Adequate facilities will not be available for storage of assets required to support US Central Command contingency operations in the Persian Gulf area. Without adequate storage facilities, equipment will not be adequately secured. If equipment is returned to the CONUS for storage, it would have to be retransported to the operational area for contingency situations increasing transportation demands and slowing mobility time. Readiness would be degraded. There is no criteria/scope for this project in Part II of Military Handbook 1190. "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

R FORCE	ENT	FY 1995 MILITARY CONSTRUCTION PROJECT DAT  (computer generated)	2. DATE
	ATION	AND LOCATION	
ACCT PTP	N T 000 A T	PTON	
ASSIFIED PROJECT			5. PROJECT NUMBER
R READII	iess ma	ATERIEL OPEN STORAGE FACILITY	HTAC943045
. SUPP	LEMENTA	AL DATA:	
a. Est:	imated	Design Data:	
(1)	Statu	18:	
	(a) I	Date Design Started	92 MAY 25
		Parametric Cost Estimates used to develop c	
		Percent Complete as of Jan 1994	60%
		Date 35% Designed. Date Design Complete	93 FEB 30 94 May 15
	(6)	Ace Design Complete	77 IAI IJ
(2)	Basis		
		Standard or Definitive Design -	NO
	(b) V	Where Design Was Most Recently Used -	4.3
(3)	Tota	l Cost (c) = (a) + (b) or (d) + (e):	(\$000
		Production of Plans and Specifications	39
		All Other Design Costs	39
	(c) 1		78
		Contract	
	(e) ]	In-house	78
(4)	Const	truction Start	95 JAN
Equip		ssociated with this project will be provide	ed from

1. COMPONENT		2. DATE
AIR FORCE FY 1995 M	ILITARY CONSTRUCTION PROJECT DA (computer generated)	ATA
3. INSTALLATION AND LOCATI		
VARIOUS LOCATIONS - OUTSID	E THE UNITED STATES	
4. PROJECT TITLE		5. PROJECT NUMBER
PROJECTS \$1 MILLION AND UN	DER	<u> </u>
		COST
COUNTRY AND LOCATION	PROJECT TITLE	(\$000)
UNITED KINGDOM		
DAR TARRURATU (ARR)	P-15F AND TO MINITIONS	850

RAF LAKENHEATH (AFE) MSET930104

F-15E ADD TO MUNITIONS MAINTENANCE FACILITY

850

216-642

F-15E add to munitions maintenance facility. (New Mission) Facility to support assembly, maintenance and inspection of live munitions, components and containers for the F-15E aircraft. Armaments include 20mm cannon rounds, air-to-air missiles, iron bombs, guided bomb units (GBUs) and glide munitions. The existing facility was constructed to support the F-111 aircraft which deploys with only one type of weapons system. The facility contains one bay to inspect and service the weapons used on this aircraft when generating missions. The F-111 was replaced by the F-15E which can be configured to carry four different precision guided munition (PGM) weapon systems plus a 20mm cannon. DoD and USAF explosive safety regulations dictate physical separation when servicing different types of munitions. With only one bay, RAF Lakenheath cannot safely service all possible configurations of munitions the F-15E needs to carry unless it is done one munitions system at a time. This method of operation reduces mission capability by 50 percent or more. The site activation task force surveyed all facilities at RAF Lakenheath and determined the only solution was this addition. The current munitions maintenance shop is required to support loading of universal ammunition loaders (UAL) with 20mm munitions, and build up of PGM for the F-15E. Being a single bay facility, each time a new weapon is required the entire bay configuration and equipment must be changed out. This can take up to four hours, tremendously reducing productivity. The additional bay will house the pull-through 20mm munitions maintenance operations and test equipment. The existing bay will be used for maintenance of PGMs and glide bombs while other maintenance facilities on base will be used for conventional and non-conventional missile maintenance. Unsafe munitions operations. In an actual contingency situation the munitions maintenance shop will have to service several different munitions at the same time and in the same area if this addition is not built. This increases the risk of injury and damage to people and equipment should there be an explosion or fire. Without this addition, sortie generation rates will be reduced. The time required to prepare 48 aircraft will reduce the wing's ability to generate mission capable aircraft to support tasking orders. Spare parts and equipment will have to be stored at a location geographically separated from the maintenance area causing additional delays in munition generation. This facility supports the SECDEF directed beddown of the F-15E aircraft. This project is not eligible for NATO funding. The NATO 6th Edition criteria for munitions maintenance facilities servicing two or

DD FORM 1391C, DEC 76

Previous editions are obsolete.

	1. COMPONENT FY	1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	A 2. DATE
	3. INSTALLATION AND	LOCATION	
	4. PROJECT TITLE PROJECTS \$1 MILLION		5. PROJECT NUMBER
•	PROJECTS ST MILLION	AND UNDER	COST

COUNTRY AND LOCATION

PROJECT TITLE

COST (\$000)

more munitions indicate bases are alloted up to 1900 SF; to date NATO has provided 2200 SF at RAF Lakenheath. A precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

IR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ING INLUM	TON AND LOCATION	
WAT ATD EN	RCE LAKENHEATH, UNITED KINGDOM	
PROJECT 1		. PROJECT NUMBER
-15E ADD TO	MUNITIONS MAINTENANCE FACILITY	MSET930104
. SUPPLE	ENTAL DATA:	
a. Estima	ted Design Data:	
(1)	tatus:	
	) Date Design Started	93 APR 28
	) Parametric Cost Estimates used to develop co	
	Percent Complete as of Jan 1994	35%
	Date 35% Designed.	94 JAN 15 94 AUG 31
(	e) Date Design Complete	94 AUG 31
(2)	asis:	
	) Standard or Definitive Design -	NO
(1	) Where Design Was Most Recently Used -	N/A
(3)	Cotal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	) Production of Plans and Specifications	43
	) All Other Design Costs	
	) Total	43
((	) Contract	43
(6	e) In-house	
(4)	Construction Start	95 MAR
	t associated with this project will be provided riations: N/A	l from
		l from
		l from
		l from
		l from
		l from
		l from
		l from
		l from
		l from
		l from
		l from
		l from
		i from
		from

# DEFENSE BUSINESS OPERATIONS FUND (DBOF)

THE FOLLOWING IS A SPECIAL SECTION ON DBOF PROJECTS THAT ARE INCLUDED IN THE AIR FORCE FY 1995 MILITARY CONSTRUCTION REQUEST. THESE PROJECTS ARE ALSO INCLUDED IN THE DD FORMS 1390 AND 1391 THAT ARE IN THE FRONT PART OF THIS VOLUME.

1. COMPONENT AIR FORCE		ONSTRUCTION PROJECT DATA	2. DATE
	ON AND LOCATION	4. PROJECT TITLE ALTER VENTILATION S	System,
TINKER AIR FO	RCE BASE, OKLAHOMA	CORROSION CONTROL P	
5. PROGRAM EL	EMENT 6. CATEGORY CODE	7. PROJECT NUMBER 8. PROJ	

WWYK943020

211-150

	1 7.00.30	211,172	MMINDAD	<u> </u>			0,700	L
9. COST ESTIMATES								
	I	Tem		U/M	QUANTITY	UNIT COST	COST (\$000)	
	ALTER VENTILATION SYS CONTROL FAC (DBOF) SUPPORTING FACILITIES UTILITIES UPGRADE SUBSTATION SITE IMPROVEMENTS SUBTOTAL CONTINGENCY (10%) TOTAL CONTRACT COST SUPERVISION, INSPECTI TOTAL REQUEST TOTAL REQUEST TOTAL REQUEST (ROUNDE	ON AND OVERHEAD		SF LUS LUS LUS	110,500	25	2,763 4,450 ( 900) (1,300) (2,000) ( 250) 7,213	

10. Description of Proposed Construction: Alter ventilation system to provide up to 100 percent make-up air, increase steam and electric service to the facility, and provide necessary support.

Air Conditioning: 150 Tons.

7 80 56

11. REQUIREMENT: 236,000 SF ADEQUATE: 0 SUBSTANDARD: 236,000 SF PROJECT: Alter the ventilation system of a corrosion control facility. (Current Mission)

REQUIREMENT: A functional and environmentally safe depot corrosion control facility is required for repainting aircraft in conjunction with periodic depot maintenance of several different aircraft types. Modification of the ventilation system in the existing facility is required to meet Occupational Safety and Health Administration (OSHA) requirements. OSHA Regulation 29 CFR 1910.107(d)(9) requires ventilation systems to limit contaminants to 500 parts per million. A single pass-through ventilation system, with adequate provisions for heating and cooling make-up air, is required to meet this requirement.

CURRENT SITUATION: This is one of two depot corrosion control facilities at Tinker Air Force Base, and is the only one equipped for complete aircraft repainting. Twelve of 14 ventilation units in the facility use recirculated air, which violates OSHA regulations and degrades the quality of paint application. The two remaining units exhaust to the outside except in cold weather. Annual paint usage in 1989-1990 averaged 21,000 gallons. Personnel are protected from respiratory hazards by use of special air-line respirators, which greatly decrease productivity. Noncompliance with OSHA regulations has been documented in an Air Force Occupational and Environmental Health Laboratory (AFOEHL) report. Additionally, the temperature and humidity conditions cause poor paint

8 400

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

TINKER AIR FORCE BASE, OKLAHOMA

4. PROJECT TITLE

5. PROJECT NUMBER

ALTER VENTILATION SYSTEM, CORROSION CONTROL FAC (DBOF)

WWYK943020

adhesion, blushing, or irregular paint application on about two-thirds of aircraft requiring gloss paint applications. Correction of these flaws range from scuff sanding and touch-up painting to complete repainting of aircraft.

IMPACT IF NOT PROVIDED: Aircraft paint operations will continue to violate OSHA standards and a high risk of fire will remain, with the potential loss of building, aircraft and equipment as well as personal injury or death. Also, completion of aircraft painting will continue to be delayed and labor and materials will continue to be wasted repainting aircraft.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, contracting and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria specified in Air Force Manual 86-2, "Standard Facility Requirements". The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review Board in September 1992.

1. COMPONE	rT		2. DATE
AIR FORCE	F	Y 1995 MILITARY CONSTRUCTION PROJECT DAT (computer generated)	·^
3. INSTALL	TION AN		
TTANUPO ATD	BUDGE B	ASE, OKLAHOMA	
4. PROJECT		MDE, UNLANUMA	5. PROJECT NUMBER
		(222)	
ALTER VENT	LATION	SYSTEM, CORROSION CONTROL FAC (DBOF)	WWYK943020
12. SUPPL	MENTAL.	DATA:	
a. Esti	nated De	esign Data:	
	Status:		02 400 15
=	(a) Dat	e Design Started : cametric Cost Estimates used to develop o	93 APR 15
ļ	(c) Per	cent Complete as of Jan 1994	35%
1	(d) Dat	te 35% Designed.	93 OCT 10
		te Design Complete	94 AUG 26
(2)	Basis:		
1 ' '		andard or Definitive Design -	NO
	(b) Whe	ere Design Was Most Recently Used -	N/A
(3)	Total (	Cost (c) = (a) + (b) or (d) + (e):	(\$000
		oduction of Plans and Specifications	500
		Other Design Costs	340
	(c) Tot		840
	(d) Cor (e) In-		649 191
(4)	Constru	uction Start	94 DEC
b. Equipm		ociated with this project will be providence: N/A	ed from
ocher appr	Oprieci	ous. Na	
1			
1			
1			
<b>\</b>			
}		·	
}			
<del></del>			<del></del>

#### FY 1995 NARRATIVE SUMMARY

Family housing is one of the most important quality of life issues in the Air Force. This budget request directly supports Defense Planning Guidance for 1995-1999.

- Retain quality people and provide these people with adequate housing.
- Maintain excellence in communities, facilities, and services to take care of Air Force people and their families.
  - Decrease total expenses with the drawdown of forces.

The Air Force remains committed to providing adequate housing for all members and their families and recognizes the increased importance of this effort during this drawdown period. In line with guidance, we depend first on the local community to meet our housing needs. Where this is not possible, new housing will decrease deficits. This budget pursues this objective through a balanced program for construction, improvement, operations, maintenance and leasing.

The Air Force construction and improvement program reflects our commitment to replace or revitalize our inventory to meet contemporary standards. The 1995 budget shows an increase in replacement projects as a result of OSD policy to replace units when the costs of an improvement project exceeds 70 percent of the replacement cost.

Operation, maintenance and leasing funds support day-to-day operations such as civilian pay, service contracts, utilities, leases and required maintenance to prevent further deterioration of existing units. The 1995 budget follows Congress' desire that DOD continue "to adequately provide for maintenance of its housing inventory in future budget submissions." However, while the 1995 submission funds at a required annual level, deferred maintenance continues to grow.

The budget presents a balanced program to continue support of quality of life for Air Force personnel and their families while recognizing current fiscal constraints.

February 1994 Page No. 310

## INDEX

PAGE
310
311
314
315
319
330 332 334 338 342 346 350 354 358 362 366 370 374 378 382 384 388 392 396 400 404

#### INDEX (con't) Shaw AFB SC 406 Dyess AFB TX 410 Langley AFB VA 414 Fairchild AFB WA 418 FE Warren AFB WY 422 POST ACQUISITION CONSTRUCTION Summary 426 United States Alabama 428 Alaska 429 Arkansas 429 California 430 Florida 431 Maryland 431 Mississippi 432 New Mexico 432 Ohio 433 Oklahoma 434 South Carolina 434 Texas 435 Virginia 437 Wyoming 437 Overseas Australia 438 Guam 438 Post Acquisition Construction Projects Over \$50,000 Per Unit 439

ADVANCE PLANNING AND DESIGN

472

## INDEX (con't)

## OPERATIONS AND MAINTENANCE SUMMARY

Narrative	474
Inventory and Funding Summary	476
OPERATIONS	477
UTILITIES	483
MAINTENANCE	485
MAINTENANCE AND REPAIR OVER \$15,000 PER UNIT	488
GENERAL FLAG OFFICER QUARTERS EXCEEDING \$25,000	
REIMBURSABLE PROGRAM	493
LEASING	
Narrative	494
Exhibit FH-4, Leasing (Other than Section 801 & 802) Exhibit FH-4A, High Cost Foreign Leased Units	498
Exhibit FH-5, Section 801 Leases	500
DEBT PAYMENTS	501

February 1994 Page No. 313

## FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 1995 (\$ in Thousands):

## FUNDING PROGRAM

FY 1995

Construction Post-Acquisition Construction Advance Planning and Design		\$181,948 61,770 <u>9.275</u>
Appropriation Request: Construction		\$252,993
Utilities	126,446 178,472 383,644	\$688,562
Leasing - Worldwide		\$112,757
Debt Payment Premiums for Servicemen's Mortgage Insurance Coverage		\$26
Appropriation Request: O&M. Leas and Debt Payment	ing.	\$801,345
Appropriation Request	ŝ	1.054.338
Reimbursement Program		\$11.139
FY 1995 Family Housing Program	\$	31,065,477

## Authorization Language

## SEC. 2302. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A)), the Secretary of the Air Force may construct or acquire family housing units (including land acquisition) at the installations, for the purposes, and in the amounts set forth in the following table:

STATE	INSTALLATION	PURPOSE	AMOUNT
Alabama	Maxwell AFB	25 Units	\$ 2,100,000
Arizona	Davis Monthan AFB	60 Units	\$ 5,940,000
California	Beale AFB	76 Units	\$ 8,842,000
	Edwards AFB	34 Units	\$ 4,629,000
	Vandenberg AFB	128 Units	\$16,460,000
District of Columbia	Bolling AFB	100 Units	\$ 9,000,000
Florida	Patrick AFB	75 Units	\$ 7,145,000
Idaho	Mt. Home AFB	4 Units	\$ 881,000
		60 Units	\$ 5,712,000
Kansas	McConnell AFB	70 Units	\$ 8,322,000
Louisiana	Barksdale AFB	82 Units	\$ 8,236,000
Missouri	Whiteman AFB	Hsng Office	\$ 567,000

STATE	INSTALLATION	PURPOSE	AMOUNT
New Mexico	Cannon AFB	1 Unit	\$ 230,000
	Kirtland AFB	106 Units	\$10,058,000
	Holloman AFB	76 Units	\$ 7,733,000
North Carolina	Pope AFB	120 Units	\$14,874,000
	Seymour Johnson AFB	74 Units	\$ 6,025,000
North Dakota	Grand Forks AFB	Hsng Office	\$ 709,000
South Carolina	Shaw AFB	3 Units	\$ 631,000
Texas	Dyess AFB	59 Units	\$ 7,077,000
Virginia	Langley AFB	148 Units	\$14,421,000
Washington	Fairchild AFB	6 Units	\$ 1,035,000
Wyoming	F.E. Warren AFB	106 Units	\$11,321,000

(b) PLANNING AND DESIGN. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of military family housing units in an amount not to exceed \$ 9,275,000.

SEC. 2303. IMPROVEMENT TO MILITARY FAMILY HOUSING UNITS

Subject to section 2825 of Title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed \$ 61,770,000.

SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE

- (a) IN GENERAL
  - (5) For Military Family Housing functions -
    - (A) For construction and acquisition of military family housing and facilities, \$222,993,000.
    - (B) For support of military family housing (including functions described in section 2833 of title 10, United States Code), \$801,345,000 of which not more than \$112,757,000 may be obligated or expended for leasing of military units worldwide.
  - (6) For Phase III of the relocation and construction of up to 1,068 family housing units at Scott Air Force Base, Illinois, authorized by section 2302(2) of the Military Construction Authorization Act for Fiscal Year 1993 (Public Law 102-484; 106 Stat. 2596), \$30,000,000.

## Appropriation Language

For expenses of family housing for the Air Force for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operations and maintenance, including debt payment, leasing, minor construction, and insurance premiums, as authorized by law as follows: for Construction, [\$187,035,000] \$252,993,000, for Operations and Maintenance, and Debt Payment [\$790,912,000] \$801,345,000; in all [\$977,947,000] \$1,054,338,000: Provided: That the amount for construction shall remain available until September 30, [1998] 1999.

Page No. 318

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989

			Budget Plan HOUSING acti	Budget Plan (amounts for FAMILY HOUSING actions programed)	FAMILY ()	) 	Obligations	
Identif	Identification code	cation code 57-7040-0-1-051	1993 actual	1993 actual 1994 est. 1995 est.	1995 est.		1993 actual 1994 est. 1995 est.	1995 est.
01.0201	Program by activities: Direct program: Post Acquisition C	ram by activities: rect program: Post Acquisition Construction Planning and design			 	4, 288	1 1 1 2 1 1 1 1 1	 
1016.10	Total dire	Total direct program	; † † 1	# B B B B B B B B B B B B B B B B B B B	; ; ; ; ;	.6		
10.0001	Totai					5,276	6 6 2 1 2 4 4 6	0 0 0 7 1 0
17.0001	Financing: Recovery of Hooblicated	Financing: 17.0001 Recovery of prior year obligations Hobblighted belong socialists				-1,541		
21.4002	For comple Reprogramt	For completion of prior year budget plans Reprograming from/to prior year budget plans	896-			-4,703		
25.0001		Unobligated balance expiring	966			896		
39.0001	39.0001 Budget authority	Budget authority	\$ 1 1 1 1 1 1 1	) 	! ! ! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! ! ! !

			Budget Plan ( HOUSING actio	Budget Plan (amounts for FAMILY HOUSING actions programed)	AMILY		Obligations	
dentifica	Identification code	57-7040-0-1-051	1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
	Program by activities:	1	*	; ; ; ; ; ; ; ;	; ; ; ; ; ; ;			 
01.0101	Constructi	Construction of new housing				9	1,205	
01.0301	Planning a	Planning and design				978	1,174	
1016.10	Total direct program		 	• • • • • • • • • • • • • • • • • • •		6,144	3,018	1 1 2 4 6 1 1 1
10.000.01	Total		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			6,144	3,018	#
F1.	Financing: Recovery of	prior year obligations				-216		
21.4002	For comple	Unobligated balance available, start of year. For completion of prior year budget plans				-8.946	-3,018	
24.4002	For comple	for completion of prior year budget plans				3,018		
39.0001	Budget authority	i thought	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991
Budget Plan (amounts for FAMILY Obligations

			HOUSING acti	DODDER Tibo (Amounts for TABLEY HOUSING Bottons Propissed)				
Identif	Identification code	57-7040-0-1-051		1994 est.	1995 est.	1993 actual	1994 est.	
		:/-ities:	) 6 6 1 1 1 1 1 1	1 	f f f f f f			
01.0101	Constructi Post Acqui	Construction of new housing Post Acquisition Construction				1,672	4.277	8.200
01.0301	Planning a	Planning and design				1,724	196	28
1016.10	Total dire	Total direct program	 	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	18,495	5,244	8,508
10.0001	Total		† 	 		18,495	5.244	8,508
17.0001	Financing: Recovery of	Financing: 17.0001 Recovery of prior year obligations				- 199		
21.4002	For comple	•				-32,049	-13,752	-6,508
24.4002		Chool-Toward Datable and of Vegra: For completion of prior year budget Disos				13,752	8,508	
39.0001	Budget a	39.0001 Budget authority						

30	!	į .	1 440	1 40	: 100	40		
	 	1995 est.	6,924	10,336	10,336	15,906	5,570	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Obligations	1994 est.	22,756 849 374	23,979	23,979	- 39. - 6. - 400	15,906	-6,400
FISCAL VEAR 1992		1993 actual	10.302 104.747 2,138	117,187	117,187	-13,842	5,000 39,885 6,400	
rs)	AMILY	1995 est.	1 1 1 1 1 1 1 1					!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
ion, Air Force	amounts for Fins programed)	1994 est.				-6,400		-6,400
and Financing (in Thousands of dollars)	Budget Plan (amounts for FAMILY HOUSING actions programed)	1993 actual				:	5,000	1
Family House		Identification code 57-7040-0-1-051	Program by activities: Direct program: 101 Construction of new housing 201 Post Acquisition Construction 301 Planning and design	10) Total direct program	101 Total	ī	101 Unobligated balance transferred to other accounceligated balance available, end of year: 102 For completion of prior year budget plans 103 Available to finance subsequent year budget	40.3601 Budget authority (Appropriation rescinded) (
		Ident	01.0101 01.0201 01.0301	1016.10	10.0001	21.4002 21.4003 21.4003	22.0001 24.4002 24.4003	40.3601

Family Housing Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1993

		Budget Plan (amounts for FAMILY HOUSING actions programed)	amounts for fins programed)	FAMILY )		Obligations	
Identif	Identification code 57-7040-0-1-051	1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
_	Prog	1		• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •	; ; ; ; ; ; ; ;	
01.0101	Construction of new housing Post Acquisition Construction	102,978			63,853	24,405	12.976
01.0301		7,457			72,049 2,693	55,036 4.629	11.910
01.9101	Total direct program	250,084	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; ; ; ;	138.595	84.070	25.021
03.0101	Reimbursable Program	125			125	•	• • •
10.0001	Total	250,209	) ; ; ; ;		138.720	84.070	25.021
11.0001	Financing: Offsetting collections from: Federal funds(-)	30.1.1					
21.4002	Unobligated balance available, start of year: For completion of prior year budget plans				-125		
21.4003		-15,000	-48,702		-15.000	-48,702	-27,419
24.4002 24.4003	For completion of prior year budget plans Available to finance subsequent year budget	48,702			111,489	27,419	2.398
39.0001	Budget authority	283,786	-48,702	1	283,786	-48,702	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
40.0001	Budget authority: Appropriation Appropriation rescinded (unob bal)	283,786	-48,702	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	283,786	-48.702	6 9 1 1 1 9 1 1 1
43.0001	Appropriation (adjusted)	283,786	-48,702		283,786	-48,702	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

	FISCAL YEAR 1994	
Family Mousing Construction, Air Force	Program and Financing (in Thousands of dollars) FISCAL VEAR 1994	

			Budget Plan ( HOUSING actio	Budget Plan (amounts for FAMILY HOUSING actions programed)	AMILY		Obligations	† 1 1 1 1 1 1 1
Identif	Identification code	57-7040-0-1-051	1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
	Program by activities: Direct program:	ivities;		: : : : : : : : : : : : : : : : : : :	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* * * * * * * * * * * * * * * * * * *		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
01.0101	Construct:	Construction of new housing		100,064			30,339	38.819
01.0301	Planning &	Planning and design		75,070 11,901			47,162 8,451	23,408
1016.10	Total dire	Total direct program	]	187,035		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	85,952	63.645
03.0101	Reimbursable Program	Program		156			951	•
10.0001	Total		]	181,191		; ; ; ; ; ;	86,108	63,645
11.0001	Financing: Offsetting collect Federal funds(-)	nancing: Offsetting collections from: Federal funds(-)		82				
21.4002	Unobilgated For comple Unobilgated	Unobligated balance available, start of year: For completion of prior year budget plans Unobligated balance available, and of year.					2	-101,083
24.4002	For compie	For completion of prior year budget plans					101,083	37,438
40.0001		Budget authority (Appropriation)		187,035			187,035	0 6 6 1 9 1 2

Family Housing Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL VEAR 1995

			4.5	(amounts for Fone one programed)	! !	; 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Obligations	1
Identif	Identification code	57-7040-0-1-051	1993 actual	1994 est.	1995 est.	1993 actual	1994 est.	1995 est.
	Program by activities: Direct program:	ivities:	# 1 1 1 1 1 1 1 1 1 1 1 1 1		1	! ! ! ! ! ! !	1	; ; ; ;
01.0101	Construction Post Acquis	Construction of new housing Post Acquisition Construction			181,948			81,985
01.0301	Planning and design	nd design			9,275			3,022
01.9101	Total direct program	ct program	f 	\$ 	2 , 993	 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	116,317
03.0101	03.0101 Reimbursable Program	Program			011			110
10.0001	Total		\$		253, 103		, ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	116,427
11.0001	Financing: Offsetting collect Federal funds(-)	nancing: Offsetting collections from: Federal funds(-)			-110			011
24.4002		Unobligated balance available, end of year: For completion of prior year budget plans						136,676
40.0001	Budget	Budget authority (Appropriation)			252,993			252,993
							+	

	ช
Force	s of dollars)
Air	of
Construction,	Thousands
Housing	f Financing (in
_	Program and

Constitution code   S7-7040-0-1-051   1993 actual   1994 est.   1995 est.   1993 actual   1904 est.   1995 est.   1993 actual   1904 est.   1995 est.   1993 actual   1905 est.   1993 actual   1905 est.   1993 actual   1905 est.   1993 actual   1905 est.   1993 actual   1905 est.   1993 actual   1905 est.   1993 actual   1905 est.   1993 actual   1905 est.   1993 actual   1905 est.   1993 actual   1905 est.			get P	י ס	FAMILY ()	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0b11gat1ons	1
Construction of new housing Construction of new housing Construction of new housing Post Acquisition Construction  Construction of new housing Post Acquisition Construction  Total  Tot	Identifi	į	ĺ		5 65 4	,	1994 est.	1995 est.
Total direct program	601.0101 01.0201 01.0301	rogram by activities: Direct program: Construction of new housing Post Acquisition Construction Planning and design	102,978 139,649 7,457		181,948 61,770 9,275	75,827 201,348 8,522	78,701	69, 346
Total   125   126   110   125   126   126   125   12	1016.10	Total direct program	50	1 %	52,		202,263	• { •
Total	03.0101	Reimbursable Program	!	156	110	125	S	110
Financing:  Offsetting collections from:  Federal funds(-)  Recovery of prior year obligations  Recovery of prior year obligations  For completion of prior year budget plans  For completion of prior year budget plans  Reprograming from/to prior year budget plans  Reprograming from/to prior year budget plans  Reprograming from/to prior year budget plans  Reprograming from/to prior year budget plans  Reprograming from/to prior year budget plans  For completion of prior year budget plans  For completion of prior year budget plans  For completion of year:  For year:  For completion of year:  For year:  Fo	10.0001	Total	250,209	7, 19	53,1	85	202,419	223,937
Available to finance new budget plans  Reprograming from/to prior year budget plan Uncoligated balance transferred to other acco Uncoligated balance transferred to other acco Uncoligated balance transferred to other acco Uncoligated balance transferred to other acco Uncoligated balance transferred to other acco For completion of prior year budget plans  Available to finance subsequent year:  Available to finance subsequent year:  Available to finance subsequent year:  Available to finance subsequent year:  Available to finance subsequent year:  Available to finance subsequent year:  Available to finance subsequent year:  Available to finance subsequent year:  Budget authority:  Budget authority:  Budget authority:  Appropriation rescinded (unob bal)  Appropriation rescinded (unob bal)  Appropriation of obligations to outlays:  Obligated balance, start of year  Obligated balance, and of year  Obligated balance, and of year  Adjustments in unexpired accounts (set)  Adjustments in unexpired accounts (set)  Adjustments in unexpired accounts  Outlays (net)	11.0001	ng collections from:   funds(-)   of prior year obligations   ted balance available, start of	-125	- 156	0	-125 -15,798	- 156	0110
Unobligated balance transferred to other accounts in expired balance transferred to other accounts (adjusted balance available, end of prior year budget plans  Available to finance subsequent year budget plans  Available to finance subsequent year budget plans  Available to finance subsequent year budget plans  Available to finance subsequent year budget plans  Budge authority:  Appropriation  Appropriation  Appropriation (adjusted)  Appropriation of obligations to outlays:  Obligations incurred  Adjustments in expired accounts (net)  Adjustments in unexpired accounts  Outlays (net)	21.4003 21.4003 21.4009		-12,368	Ω		-200,328	-168,144 -55,102	-152,916
For completion of prior year budget plans  Available to finance subsequent year budget plans  Available to finance subsequent year budget plans  Budget authority:  Budget authority:  Appropriation  Appropriation  Appropriation (adjusted)  Appropriation of obligations to outlays:  Obligated balance, and of year  Adjustments in expired accounts (net)  Adjustments in unexpired accounts  Outlays (net)	22.0001		-10,000			-10,000		
Budget authority  Budge authority:  Appropriation  Appropriation (adjusted)  Appropriation storing (adjusted)  Appropriation of obligations to outlays:  Obligated balance, start of year Obligated balance, and of year Adjustments in expired accounts  Adjustments in unexpired accounts  Outlays (net)	24.4002 24.4003 25.0001	ar budget plans quent year budge	5.			168,144 55,102 968	152,916	182,082
Appropriation Appropriation Appropriation Appropriation rescinded (unob bal) Appropriation (adjusted) Appropriation (adjusted) Appropriation (adjusted)  Appropriation (adjusted)  Appropriation (adjusted)  Appropriation (adjusted)  283,786 131,933 252,993 283,786  Obligations incurred Obligated balance, start of year Obligated balance, and of year Obligated balance, and of year Adjustments in expired accounts (net)  Adjustments in unexpired accounts Adjustments in unexpired accounts Outlays (net)	39.0001	Budget authority	83,78	1,93	52,99	83,78	131,933	252.993
Appropriation (adjusted)  Relation of obligations to outlays: Obligated balance, start of year Obligated balance, and of year Obligated balance, and of year Adjustments in expired accounts (net) Adjustments in unexpired accounts Outlays (net)	40.0001	ob ba	83,78	187,035	252,99	1 (2)	1 76	6
Relation of obligations to outlays:  Obligations incurred Obligated balance, start of year Obligated balance, and of year Obligated balance, and of year Adjustments in expired accounts (net) Adjustments in unexpired accounts Outlays (net)	43.0001	; ; ; ;	283,786		252,99	3,78	-	252,993
Octions (net)		ays: epr fr conts			,   	285, 697 218, 931 -334, 057 -150	202,263 334,057 -292,266	3.82 2.26 7.80
*70.	90.0001	1 1 1 1 1				154,624	244,054	208.293

Family Housing Construction, Air Force Object Classification (in Thousands of dollars) SUMMARY

Identification code 57-7040-0-1-051	1993 actual	1993 actual 1994 est. 1995 est.	1995 est.
Direct obligations: 132.001 Land and structures 223,827	285,697	202,263	223,827
199.001 Total Direct obligations	285,697	202,263	223,827
Reimbursable obligations: 232.001 Land and structures	125	156	110
299.001 Total Reimbursable obligations	125	156	110
999.901 Total obligations	285,822	202,419	223,937

Family Housing Operations & Debt, AF Program and Financing (in Thousands of dollars)

identification code 57-7045-0-1-051	1993 actual	1994 est.	1995 est.
200			
02.0201 Lessino	327,751	268,683	304.918
	850.68	118,266	112,757
	497,277	403,942	383,644
02.9101 Total direct program	924 156	210 002	476 - 00
03.0101 Reimbursable Program		7	
	101,01	11,208	11,139
TO.COUT TOTAL ODITORS	934,947	802,120	812,484
Financing:			
UTISELLING COLIECTIONS from: [1.000] Federal funds(=)			
	-1,225	-2,578	-2,562
	9.566	-8,630	-8,577
25.000! Unobligated balance expiring	13,785		
40.0001 Budget authority (Appropriation)	927.941	790.912	801 345
Relation of obligations to outlays:			
	924,156	790,912	801,345
74.4001 Obligated balance, end of year		446,589 -343 205	343,395
.coo. Adjustments in expired accounts (net)	-15,764		
90.0001 Outlays (net)	809,734	894, 106	827.593

Family Housing Operations & Debt, AF Object Classification (in Thousands of dollars)

Identification code 57-7045-0-1-051	10993 BCCCB1	1994 est.	1995 est.
1008:			
121.001 Travel and transportation of persons	•	,	
	99/ '9	3.827	3.835
123.201 Rental Davments to others	1,571	4,325	4.138
	191,653	149,367	193,589
125,203 Contracts with the property and the			
	274,452	233.019	222.829
Š	151,422	151,323	140.400
131.001 Fourthment	15,141	54.975	52.589
	47,320	18.291	17.496
_	208,205	175.785	166.469
	24,606		
199 DOI Total Direct Children	B		
#E0 - 143 - 130 -	924,156	790,912	801,345
Reimbursable oblications.			
Cither wery loss with the prices service			
225.204 Other charges with the private action			
	162'01	11,208	11.139
289.00 Total Reightership on the total			
	10,791	11.208	11, 139
		-	
999.901 Total oblications	**		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	934,947	802,120	812,484

#### **NEW/CURRENT MISSION ACTIVITIES**

In compliance with the Senate Appropriations Committee Report (100-380) on the FY 1989 Military Construction Appropriation Act, the Air Force has included the following exhibit that displays construction projects requested in two separate categories: new mission and current mission. "Current mission" projects are these projects that either replace inadequate existing facilities or construct new facilities which are not available to meet current requirements.

### NEW CONSTRUCTION

LOCATION	MISSION	NUMBER OF <u>UNITS</u>	REQUESTED APPROPRIATION AMOUNT (\$000)
NEW HOUSING			
Scott AFB IL	New	300	30,000
Pope AFB SC	New	120	14,874
REPLACEMENT HOUSING			
Maxwell AFB AL	Current	25	2,100
Davis Monthan AFB AZ	Current	60	5,940
Beale AFB CA	Current	76	8,842
Edwards AFB CA	Current	34	4,629
Vandenberg AFB CA	Current	128	16,460
Bolling AFB DC	Current	100	9,000
Patrick AFB FL	Current	75	7,145
Mt Home AFB ID	Current	4	881
Mt Home AFB ID	Current	60	5,712
McConnell AFB KS	Current	70	8,322
Barksdale AFB LA	Current	82	8,236
Cannon AFB NM	Current	1	230
Kirtland AFB NM	Current	106	10,058
Holloman AFB NM	Current	76	7,733
Seymour Johnson AFB NO	Current	74	6,025
Shaw AFB SC	Current	3	631

Page No. 330

# NEW CONSTRUCTION

LOCATION	MISSION	NUMBER OF UNITS	REQUESTED AUTHORIZATION AMOUNT (\$000)
REPLACEMENT HOUSING (C	ONT'D)		
Dyess AFB TX Langley AFB VA Fairchild AFB WA F.E. Warren AFB WY  SUPPORT FACILITIES Whiteman AFB MO Grand Forks AFB ND		148 6 106 Housing Office	7,077 14,421 1,035 11,321
	current	Housing Office	709
NEW MISSION TOTAL			44,874
CURRENT MISSION TOTAL			137,074
IMPROVEMENTS			61,770
PLANNING AND DESIGN			9,275

## **NEW CONSTRUCTION**

<u>Program (In Thousands)</u>
FY 1995 Program \$181,948
FY 1994 Program \$100,064

### Purpose and Scope

This program provides for the construction of new homes at locations where off-base assets are not available to provide adequate housing, replacement of existing homes where improvements are not economically feasible, and support facilities at locations where existing facilities are not adequate. Costs reflect all amounts necessary to provide complete and usable facilities.

## Program Summary

Authorization is requested for:

Construction of 424 units, replacement of 1289 units of family housing and of 2 support facilities.

A summary of the funding program for FY 1995 follows:

LOCATION	MISSION	NUMBER OF UNITS	REQUESTED AUTH AMOUNT (\$000)
NEW HOUSING			
Scott AFB IL Pope AFB SC	New New	300 120	30,000 14,874
REPLACEMENT HOUSING	<b>2</b>	25	
Maxwell AFB AL	Current	25	2,100
Davis Monthan AFB AZ	Current		5,940
Beale AFB CA	Current	76	8,842
Edwards AFB CA	Current	34	4,629
Vandenberg AFB CA	Current	128	16,460
Bolling AFB DC	Current	100	9,000
Patrick AFB FL	Current	75	7,145
Mt Home AFB ID	Current	4	881
Mt Home AFB ID	Current	60	5,712
McConnell AFB KS	Current	70	8,322
Barksdale AFB LA	Current	· -	8,236
Cannon AFB NM	Current	<del></del>	230
Kirtland AFB NM	Current	106	
WILCIGING WLD MA	Carrelle	100	10,058

LOCATION	MISSION	NUMBER UNITS	REQUESTED AUTH AMOUNT (\$000)
REPLACEMENT HOUSING			
Holloman AFB NM Seymour Johnson AFB NG Shaw AFB SC Dyess AFB TX Langley AFB VA Fairchild AFB WA F.E. Warren AFB WY	Current Current Current	3 59 148 6	7,733 6,025 631 7,077 14,421 1,035 11,321
SUPPORT FACILITIES Whiteman AFB MO Grand Forks AFB ND Current Mission Total New Mission Total Grand Total		Housing Housing	567 <u>709</u> 137,074 <u>44,874</u> 181,948

1. COMPONENT	FY 1995	MII.TT	ARY CO	NSTRII	י אחדב	PROGI	RAM	2	. DA	TE
AIR FORCE			puter o				461	İ		
3. INSTALLATION	AND LOCATIO			<del></del>	MMAND			<del>   </del> 5	AP	EA CONST
				AIR EDUCATION						ST INDEX
MAXWELL AIR FORC	E BASE. AL	ARAMA		l .			MMANT	,		.74
6. PERSONNEL		PERMANI	ENT	AND TRAINING COMMAND STUDENTS SUPPORT					<del></del>	
STRENGTH	OFF		CIV	OFF	ENL	CIV		ENL	CIV	TOTAL
a. As of 30 SEP	93 973		1466	1556	46				1	5,65
b. End FY 1999		1622		1556	46					5,83
		7. INV				 )			<del></del>	
a. Total Acreage		528)								
. Inventory Tot	•	•	EP 93)					2	04,1	18
c. Authorization									11,9	
d. Authorization			-	gram:					2,10	
. Authorization	_			=	am:	(FY 1	.996)		•	0
f. Planned In Ne			_	_		•	•			0
g. Remaining Def		<b>.</b>								0
h. Grand Total:	<b>-</b>							2	18,10	58_
B. PROJECTS REQU	ESTED IN T	HIS PRO	GRAM:	FY 1	.995					
CATEGORY				_			COST	DE	SIGN	STATUS
CODE	PROJECT T	ITLE		s	COPE		(\$000	) S	TART	CMPL
				-						
711-142 REPLACE	FAMILY HO	USING			25	UN	2,10	O TU	RN KI	EY
					TOTAL:	: -	2,10	0		
a. Future Proj	ects: Inc	luded	n the	Follo	wing E	Progr	am (F	Y 199	6) NO	ONE
								Y 199	6) NO	ONE
b. Future Proj	ects: Typ:	ical Pl	lanned	Next	Three	Year	8:			
b. Future Proj 10. Mission or	ects: Typ: Major Funct	ical Pl	Head (	Next quarte	Three	Year Uni	s: versi	ty; A	ir W	ar
9b. Future Proj 10. Mission or College; Air Com	ects: Typ: Major Funct mand and St	ical Pl tions: taff Co	Head ollege:	Next quarte ; Squa	Three ers Air dron C	Year Uni Offic	s: versi er Sc	ty; A	ir W	ar icer
9b. Future Proj	ects: Typ: Major Funct mand and St Center for	ical Pl tions: taff Co r Aeros	Head Ollege; Space I	Next quarte ; Squa Doctri	Three rs Air dron C ne, Re	Year Uni Offic esear	s: versi er Sc	ty; A hool; and Ed	ir Wa Offi	ar icer ion;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit	ects: Typ: Major Funct mand and St Center for y Center;	ical Pl tions: taff Co r Aeros Ira C I	Head Head ollege; space I	Next quarte ; Squa Doctri Center	Three ers Air dron C ne, Re for I	Year Uni Offic sear Profe	s: versi er so ch, a	ty; A hool; and Ed	ir Wa Offi ucati velo	ar icer ion;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor	ects: Typ: Major Funct mand and St Center for y Center; I ical Resear	ical Pl tions: taff Co r Aeros Ira C E rch Age	Head Head ollege; space I Baker (	Next quarte ; Squa Doctri Center Headqu	Three ers Air dron C ne, Re for I	Year Uni Officesear Profe	versier Sch, assion	ty; A chool; and Ed al De	ir Wa Offi ucati velop erve	icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training	ects: Typ: Major Funct mand and St Center for y Center; l ical Resear Corps; Hea	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart	Heade ollege; space I Saker ( ency; F cers C	Next quarte ; Squa Doctri Center Headqu	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School;	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
Ob. Future Proj.  10. Mission or .  College; Air Com.  Training School; .  Air Force Qualit.  Air Force Histor  Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
Ob. Future Proj.  O. Mission or College; Air Com.  Craining School; Air Force Qualit.  Air Force Histor  Officer Training  of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
Ob. Future Proj.  O. Mission or College; Air Com.  Craining School; Air Force Qualit.  Air Force Histor  Officer Training  of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
Ob. Future Proj.  O. Mission or College; Air Com.  Craining School; Air Force Qualit.  Air Force Histor  Officer Training  of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;
b. Future Proj. 0. Mission or college; Air Com. raining School; ir Force Qualit. ir Force Histor officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;
Ob. Future Proj.  O. Mission or College; Air Com.  Craining School; Air Force Qualit.  Air Force Histor  Officer Training  of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;
Ob. Future Proj.  O. Mission or College; Air Com.  Craining School; Air Force Qualit.  Air Force Histor  Officer Training  of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
Ob. Future Proj.  10. Mission or .  College; Air Com.  Training School; .  Air Force Qualit.  Air Force Histor  Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versich, a ession Ford	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;
9b. Future Proj 10. Mission or College; Air Com Training School; Air Force Qualit Air Force Histor Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;
Ob. Future Proj.  10. Mission or .  College; Air Com.  Training School; .  Air Force Qualit.  Air Force Histor  Officer Training of the Air Force	ects: Typ: Major Funct mand and St Center for y Center; ical Resear Corps; Hea ; an air ba	ical Pl tions: taff Co r Aeros Ira C I rch Age adquart ase wir	Headdollege; space I Saker ( ency; I cers Ci ng (C-2	Next quarte ; Squa Doctri Center Headquivil A 21 air	Three ers Air dron C ne, Re for I arters ir Pat	Year Uni Officesear Profes Air crol;	versier Sch, assion	ty; A hool; and Ed al De e Res	ir Wa Offi ucati velop erve Coli	ar icer ion; pment;

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA
AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

MAXWELL AIR FORCE BASE, ALABAMA REPLACE FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

PNQS954040 8.87.41 711-142 2,100 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM 1,275 REPLACE FAMILY HOUSING 25 51,010 620 SUPPORTING FACILITIES ( 116) I.S SITE PREPARATION ( 102) ROADS AND PAVING LS LS ( 101) UTILITIES LS ( 101) LANDSCAPING LS 63) RECREATION 138) LS DEMOLITION 1,895 SUBTOTAL CONTINGENCY (5%) 95 1,990 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 109 2,100 TOTAL REQUEST .77 AREA COST FACTOR

10. Description of Proposed Construction: Replace 25 family housing units including demolition and all support facilities. Project will construct units with associated carports, storage, patios and privacy fencing. Housing will include heating, cooling, energy conservation features, carpeting and appliances. Supporting facilities include all site preparation, utilities, roads, parking, playground, and landscaping.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	.79	55	5	206,388
JNCO 3BR	1200	.79	55	16	834,240
JNCO 4BR	1350	.79	55	4	234,630
				25	1,275,258

11. PROJECT: Replace 25 junior enlisted and student housing units. This project will demolish 27 existing units. (Current Mission)

REQUIREMENT: Project will provide adequate quarters for Air Force members and their families assigned to this installation. Project includes all work necessary to provide units meeting "whole house/whole neighborhood" criteria.

CURRENT SITUATION: These Row units were constructed in 1941. The units are not energy efficient and housing density is overcrowded. Play areas for children and toddlers are below standards or nonexistent; presently the youngsters use the streets as playgrounds. Off-street parking does not meet minimum requirement of 2.5 parking spaces per unit or one covered space. Roofs leak during rainy periods, damaging units as well as personal property of occupants. Existing electrical system does not meet

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION I (computer generated)	
	ION AND LOCATION  FORCE BASE, ALABAMA	
4. PROJECT T	<del></del>	5. PROJECT NUMBER
REPLACE FAMI	LY HOUSING	PNQS954040

National Electrical Code requirements. All utilities systems have outlived life expectancy and need to be replaced. Expansion is required to alleviate lack of storage, cabinet, and counter space. Units are not compatible to reconfiguration. Kitchens and bathrooms are outdated and require complete renovation and/or replacement.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in unsatisfactory conditions affecting morale, performance, and the retention of quality personnel.

ADDITIONAL: An economic analysis has been prepared comparing the

ADDITIONAL: An economic analysis has been prepared comparing the alternatives on construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

PILITANT FAMILT NOOS	SING JUSTIFICATION 1. DA		HT		2. FISC	AL YEAR 1995		CONTRO	
DOD COMPONENT	14. REPORTING INSTALLA					1940		L (M)	10
AIR FORCE	a. NAME				b. Loc	30'015			
DATA AS OF	MAXWELL				1	ACENT TO	NOTE	FET	
31 JANUARY 1992	AIR FORCE					NER OF M			2444
	LYSIS	- DAGE	CURREN		CON	HEN UP M		ECTED	AMA
	OF .	OFFICER	E9-E4		TOTAL	0651050			
	IS AND ASSETS						E9 -E4		
TOTAL PERSONNEL		(a)	(b)	(c)	(4)	(•)	<u> </u>	(9)	(h)
. IOIAL PENSONNEL	SIMENGIN				ł	ł _	1 .		
		2,594	2,812	458	5,864	3,115	2,657	469	6.
. PERMANENT PARTY	PERSONNEL	· 1				i			
		1,969	2,482	458	4,909	2,022	2,352	415	4,
. Gross family hou	SING REQUIREMENTS					i -			
		1,717	2.222	183	4,122	1,750	1.854	136	3,
. TOTAL UNACCEPTAL	SLY HOUSED (a + b + c)								
	•	403	536	97	1,036				
a. INVOLUNTABILY	EPARATEO	<del>-</del>			- 1,000				
		33	17	3	53				
b. IN MILITARY HOU	SING TO BE	<del></del>							
DISPOSED/REPLA		]							
			55		55				
C. UNACCEPTABLE	HOUSED IN COMMUNITY				} ;				
		370	464	94	928				
. VOLUNTARY SEPAR	ATIONS								
		253	198	11	462	258	169		
. EFFECTIVE HOUSIN	G REQUIREMENTS								
		1,464	2,024	172	3.660	1,492	1.665	128	3.
. HOUSING ASSETS	(a + b)								
	•	1,136	1.507	75	2,718	1,136	1,508	75	2.
a. UNDER MILITARY	CONTROL					- 1,100	- 1,555	<del></del>	
		396	584		980	396	584	ı	
(1) HOUSED IN E	(STING DOD	<del></del>				- 320	- 357		
OWNED/CON		328	569		897	396	584	}	
(2) UNDER CONTI		3425			097	390	364		
(2) GROEN COATI	TACTIATTIONED							i	
(0) 1/2 00 0 0									
(3) VACANT		1							
		58	15		83				
(4) INACTIVE		i	I						
b. PRIVATE HOUSING	3						_ `		
		740	923	75	1,738	740	924	75	1,
(1) ACCEPTABLY	HOUSED								
		733	919	75	1.727				
(2) ACCEPTABLE	VACANT RENTAL	7							
,,	- <del>-</del>	7	آء ا		11				
. EFFECTIVE HOUSING	d DEFIGIT	+							
	ar arter refri	328	517	97	ا مما	955	اہ۔		
PROPOSED PROJEC	<del>,</del>	325	51/	3/	942	356	177	53	
. FRUTUSED PROJEC	•					ĺ			
							25		

ITEM 6 - 13. BASIC DATA WERE EXTRACTED FROM THE FAMILY HOUSING SURVEY OF JANUARY 1992.

1. COMPONENT							2.	DAT	'E
]	Y 1995 MILIT				PROGE	HAS			
3. INSTALLATION AND		puter	_	DMMAND			<del> </del>	ADE	A CONST
DAVIS-MONTHAN AIR FO			٦. ۵	ATUMD			13.		T INDEX
ARIZONA	nce bace,		ATR (	COMBAT	COMP	(AND			96
6. PERSONNEL	PERMAN	IENT		UDENTS			PORTE		<del></del>
STRENGTH	OFF ENL		OFF		CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 93	548 3995	<del></del>		381		1	2	17	6,370
b. End FY 1999	746 4145	, ,				1	2	17	6,788
		ENTORY					·		
a. Total Acreage: (									
b. Inventory Total A	s Of: (30 S	EP 93)					25	50,39	8 [
c. Authorization Not	Yet In Inve	ntory:						7,60	0
d. Authorization Req	uested In Th	is Pro	gram:					5,94	o
e. Authorization Inc	luded In Fol	lowing	Progr	am: (	FY 1	996)			0
f. Planned In Next T	hree Program	Years	:						0
g. Remaining Deficie	ncy:								0
h. Grand Total:					. ——		26	3,93	8
8. PROJECTS REQUESTE	D IN THIS PR	ROGRAM:	FY :	1995					
CATEGORY						COST			STATUS
CODE PRO	JECT TITLE		5	COPE		<u>(\$000</u>	<u>51</u>	ART	CMPL
711-142 REPLACE MIL HOUSING	ITARY FAMILY	?		60	UN	5,94	O TUP	en ke	Y
HOUSING				TOTAL:	-	5,94	<u></u>		
9a. Future Projects	Included	in the	Follo					) NO	NE
9b. Future Projects								,	
10. Mission or Majo							ce; a	wing	with
two fighter training	squadrons r	espons	ible i	or tra	inin	g all	A-10	airc	rews;
one air control squa	dron (OA-10	aircrat	Et), d	ne fig	hter	squa	dron (	A-10	2
OA-10 aircraft), and	two electro	nic con	mbat e	quadro	ns (	EC-13	O airc	raft	); an
Air Force Reserve ai									ional
Guard fighter interc	eptor detach	ment (1	F-16 a	ircraf	t);	and A	ir For	ce	
Materiel Command's A	erospace Mai	ntenan	ce and	i Regen	erat	ion C	enter.	•	
									Ì
									}
									Ì

1. COMPONENT							-		2.	DATE	
	FY	1995 MILITA	ARY C	ONSTRU	CTIO	N PR	OJECT D	ATA	- (		
AIR FORCE		_ (cc	mput	er gen	erat	ed)					
3. INSTALLATION	N AND	LOCATION			4.	PRO	JECT TI	TLE			
					RE	PLAC	E MILIT	ARY F	AMILY		
DAVIS-MONTHAN	AIR FO	RCE BASE, A	RIZO	NA	но	USIN	G				
5. PROGRAM ELEN	ŒNT 6	. CATEGORY	CODE	7. PF	OJEC	T NU	MBER 8	. PRO	JECT	COST (\$	000)
8.87.41		711-142		FE	NV95	0010				5,940	
		9.	cos	r esti	MATE	S					
								וט	TIN	cos	
		ITEM				U/M	QUANTI	TY C	OST	(\$000	)
REPLACE MILITAI	RY FAM	ILY HOUSING	;							3,	794
REPLACE FAMII	LY HOU	SING (PHASE	2)			UN	6	0 6:	2,330	(3,	740)
SOLAR						LS				(	54)
SUPPORTING FACT	LITIE	S				}				1,5	68
SITE PREPARAT	NOI					LS	ļ			( :	300)
ROADS AND PAY	/ING					LS		- 1		( :	350)
UTILITIES						LS				( :	350)

LS LS

LS

LANDSCAPING AND NEIGHBORHOOD IMPROVMNT

SUPERVISION, INSPECTION AND OVERHEAD (5.5%)

DEMOLITION (INCLUDES ASBESTOS & LBP)

RECREATION

CONTINGENCY (5%)

AREA COST FACTOR

TOTAL REQUEST

TOTAL CONTRACT COST

SUBTOTAL

10. Description of Proposed Construction: Replace 60 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides standard amenities, to include parking, air conditioning, garages, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal.

.90

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3BR	1200	.89	55	36 .	2,114,640
JNCO 4BR	1350	.89	55	20	1,321,650
JNCO 5BR	1550	.89	55	4_	303,490
			<del></del>	60	3,739,780

11. PROJECT: Replace 60 Family Housing units. (Current Mission)
REQUIREMENT: This project is required to provide modern and efficient
replacement housing for military members and their dependents stationed at
Davis-Monthan AFB. All units will meet "whole house" standards and are
programmed in accordance with the Housing Community Plan. Replacement
housing will provide a safe, comfortable, and appealing living environment
comparable to the off-base civilian community. This is the second of
multiple phases to provide adequate housing for base personnel. Of the
units to be replaced in this multi-phase initiative, 72 are completed or
included in prior programs. The replacement housing will provide a modern
kitchen, living room, family room, and bath configuration, with ample
interior and exterior storage and a single car garage. Off-street parking
will be provided for a second vehicle. The neighborhood support

180)

300)

5,362

5,630

268

310 5,940

88)

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLAT	ON AND LOCATION	
DAVIS-MONTHAN	N AIR FORCE BASE, ARIZONA	
4. PROJECT T	TLE 5. P	ROJECT NUMBER

infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas.

REPLACE MILITARY FAMILY HOUSING

CURRENT SITUATION: This project replaces Appropriated housing units which were constructed in 1973 to 1975. These 20+ year old houses are showing the affects of age and continuous heavy use. While these are the newest units on base, they are in the worst condition. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Exterior storage is There are no patios for outside living/entertaining. inadequate. three and four bedroom units fall short of authorized living space. IMPACT IF NOT PROVIDED: Major morale problems will result because some people will continue to occupy substandard housing while neighbors and friends are in upgraded units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses shows a deficit. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was originally found to be the most cost effective. However, since revitalization exceeded 70% of the replacement value, replacement construction was selected. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

FBNV950010

			ORT		2. FISC/ 1995	AL YEAR		CONTROL L (AR) 17	
. DOD COMPONENT	4. REPORTING INSTALLAT	ION							
AIR FORCE	a. NAME				b. LOCA				
. DATA AS OF	DAVIS-MONTHA	N AIR FORC	E BASE, /	VRIZONA	į.	TUSCON,	AIRIZON	A	
OCTOBER 1992									
ANAL	YSIS		CURREN	T			PAO.	ECTED	
	OF .	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENT	S AND ASSETS	(a)	(b)	(c)	(d)	(•)	m	(g)	(h)
TOTAL PERSONNEL		17	1-1-1		1-1-/	137		137	
. TOTAL PERSONNEL	DINENGIII	516	2,998	894	4,408	730	3,224	865	4.8
APARTON DATES	PENNNINE	310	2,300	03-	7.400	/30	3,224	- 600	7.0
. PERMANENT PARTY	PEHSONNEL				1				
		516	2,998	894	4,408	730	3,224	865	4,8
. GROSS FAMILY HOU	SING REQUIREMENTS		ł	ĺ					
		365	2,199	275	2,839	529	2.372	267	3,1
. TOTAL UNACCEPTAE	LY HOUSED (a + b + c)								
	•	7	92	31	130				
a. INVOLUNTARILY S	EPARATED								
			l o	0	0				
b. IN MILITARY HOUS	INO TO BE	<del>                 </del>							
		٠,	ا ا	_ ا	۱ ۵				
DISPOSED/REPLA			0	0	0				
c. UNACCEPTABLY H	OUSED IN COMMUNITY		[		1				
		7	92	31	130				
. VOLUNTARY SEPAR	ATIONS								
		0	0	0	l 0	o	o	0	
. EFFECTIVE HOUSIN	O REQUIRE VENTS	<del>-</del>							
		365	2,199	275	2,839	529	2,372	267	3.10
. HOUSING ASSETS	a + b)						-,,,,,		
. IDOUNIA AGGETO	<b>4</b> + <b>0</b> )	368	2,152	255	2,775	541	2,339	248	3,1
TIMES TO THE PARTY OF THE PARTY	of other of		2,132	233	2,7,5	- 3-1	2,500		<u> </u>
a. UNDER MILITARY	CONTROL	1		_	ا محما	ا مما	4 407	ام	
		133	1,106	0	1,239	132	1,107	0	1,2
(1) HOUSED IN E		1		_				_1	
OWNED/CONT		133	1,106	0	1,239	132	1,107	0	1,2
(2) UNDER CONTI	RACT/APPROVED								
						0	0	ol	
(3) VACANT									
(-,		1 0	0	0	l o				
(4) INACTIVE	<del></del>	<del> </del>	<u>-</u>						
(4) HACHE		ا ه	0	0	o				
1 000/47511014014	<u></u>					_			
b. PRIVATE HOUSING	,				ا ـ ـ ـ ا	ا ممما			
		235	1,046	255	1,536	409	1,232	248	1,8
(1) ACCEPTABLY	HOUSED		<b>]</b>			ł	i i	ı	
		225	1,001	244	1,470	390	1,173	236	1,7
(2) ACCEPTABLE	VACANT RENTAL								
, ,		10	45	11	66	19	59	12	9
. EFFECTIVE HOUSIN	G034(6))	1	-						
		(3)	47	20	64	(12)	33	19	
. PROPOSED PROJEC	<del></del>	(3)	4/	20		- '			
i. rnuruaeu rhujeu	•							1	

## 15. REMARKS (SPECIFY ITEM NUMBER)

ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM HOUSING MARKET ANALYSIS, SEPTEMBER 1992 ITEM 13: SURPLUSES NOTED IN ()

1. COMPONENT					*					2. DA	TE
	FY	1995		ARY COL			PROGI	MAS	ŀ		
MIR FORCE			(com	puter o	genera	ated)					
3. INSTALLATI	ON AND LO	CATIC	N		4. C	DMMAND	)		I	5. AR	EA CONS
										CO	ST INDE
BEALE AIR FOR	CE BASE,	CALIF	ORNIA		AIR (	COMBAT	COM	IAND		1	. 24
6. PERSONNEL	RSONNEL PERMANENT STUDENTS SUPPORT						ED				
STRENGTH	•	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 S	EP 93	465	2823	417				1		1	3,70
b. End FY 199			3027		1	!				1 1	3,92
J. B.I.G 11 173				ENTORY	DATA	(\$000	1				
a. Total Acre	200. /	22,9		3112-0112	<u> </u>	10000					
			-	pn 021						102 1	2.4
. Inventiry										182,1	
. Authorizat										14,20	
l. Authorizat										8,8	
. Authorizat	ion Incl	ıded I	n Fol	lowing	Prog	cam:	(FY ]	.996)			0
f. Planned In	Next Thi	cee Pr	ogram	Years	<b>:</b>						0
g. Remaining	Deficiend	:y:									0
h. Grand Tota	1:	_								205,1	76
B. PROJECTS P	EQUESTED	IN TH	IS PRO	OGRAM:	FY:	1995					
CATEGORY								COST	. D	ESIGN	STATUS
CODE	PROJI	CT TI	TLE		9	COPE		(\$000	)) _	START	CMPL
<del></del>					-			17			
711-142 REPI	ACE FAMII	LY HOU	SING			76	UN	8,84	2 T	URN KI	EY
						TOTAL		8,84	2		
a. Future P	rojects:	Incl	uded	in the	Follo	wing	Progr			96) NO	ONE
	rojects:										
	or Major								ides	two	
reconnaissanc											at
Ammunition Ce											
	inter: an			LIIU BUI	adro	1 INC-	ة 135	ircra	ift);	and a	an Air
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
orce Space C	command m	issile	warn	ing squ	adro	n whic					
orce Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C Phased Array	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
Force Space C	command m	issile	warn	ing squ	adro	n whic					
orce Space C	command m	issile	warn	ing squ	adro	n whic					

1. COMPONENT							2	. DATE
	F	Y 1995 MILITARY C	ONSTRUC'	TION PI	ROJECT	DAT	A	
AIR FORCE		(comput	er gene	rated)				
3. INSTALLATI	ON AN	D LOCATION		4. PRO	JECT	TITL	E	
				REPLAC	E MIL	ITAR	Y FAMIL	Y
		SE, CALIFORNIA		HOUSIN			1)	
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PRO	JECT NU	MBER	8.	PROJECT	COST (\$000
						1		
8.87.41	_	711-142		951005	<u> </u>			8,842
		9. cos	T ESTIM	ATES		•		
				İ			UNIT	COST
		ITEM		U/N	QUAN	TITY	COST	(\$000)
FAMILY HOUSING	G				1			5,552
REPLACE FAM:	ILY H	DUSING, PHASE 1		UN	]	76	70,57	7 (5,364
SOLAR				LS				( 188
SUPPORTING FA	CILIT	(ES						2,430
SITE PREPAR	ATION			LS				( 293
ROADS AND PA	AVING			LS				( 391
UTILITIES				LS				( 439)
	AND N	EIGHBORHOOD IMPRO	TMMVC	LS				( 195)
RECREATION				LS	ļ			( 100)
GARAGE AND S				LS		j		( 480)
	(INCLU	IDES ASBESTOS & LI	BP)	LS	l	1		(532)
SUBTOTAL								7,982
CONTINGENCY (	•				1	j		399
TOTAL CONTRACT					1			8,381
	INSPEC	TION AND OVERHEAD	(5.5%)			- 1		461
TOTAL REQUEST								8,842
					1	ľ		1
AREA COST FACT	ror		1.24	. I	1			

10. Description of Proposed Construction: Replace 76 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides standard amenities, to include parking, air conditioning, garages, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	1.26	55	63	4,147,605
JNCO 4BR	1350	1.26	_55	13_	1,216,215
<del></del>			<del></del>	76	5,363,820

11. PROJECT: Replace 76 Family Housing units. (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Beale AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. There are a total of 1708 housing units to be upgraded/replaced in this multi-phased initiative. The replacement housing will provide a modern kitchen, living room, family toom, and bath configuration, with ample interior and exterior storage and a single car garage. Off-street parking will be provided for a second vehicle. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DAT  AIR FORCE (computer generated)	A 2. DATE
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE MILITARY FAMILY HOUSING (PHASE 1)	BAEY951005

landscaping, playgrounds, and recreation areas.

CURRENT SITUATION: This project replaces Capehart housing units which are over 30 years old and are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Roof structures show signs of rot; leaks have made already inadequate (by todays standards) insulation even less effective. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. There is no space for a dishwasher. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. Rain run-off currently "ponds" under many of the houses resulting in moisture deterioration.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, substandard and unsatisfactory housing. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses shows a housing deficit of approximately 100 units. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since, this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was originally found to be the most cost effective. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected as the best option in accordance with current OSD and Congressional policy. Updated improvement costs represent 72.5% of FY95 Replacement estimates.

	PORTING INSTALLA				1995				
		TAN						BL (AR) 17	10
AIR FORCE IL. N	ALE	NA .			b. LOC	TOR			
DATA AS OF	BEALE AIR FORCE	CE BASE, CAI	JEORNIA		15. 555.		S EAST (	OF MARYS	VILLE
June 1990						CALIFOR	NIA		
ANALYSIS			CURREN	7				JECTED	
OF		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOT
REQUIREMENTS AN		(e)	<b>(b)</b>	(c)	(d)	(0)	<u> </u>	(9)	(h)
TOTAL PERSONNEL STRE	NGTH								
PERMANENT PARTY PERS	ANINE	574	2,609	967	4,170	1,414	2,404	1.040	
PERMANERI PARIT PERS	OMMEL	574	2.609	967	4.170	1,414	2.404	1.040	4
GROSS FAMILY HOUSING	REQUIREMENTS	<del> </del>	2,000		4,170	-,,414	2.444	.,0.0	
	_	460	1,791	339	2,599	529	1.586	309	2
TOTAL UNACCEPTABLY H	DUSED (a + b + c)	7							
		104	120	37	261				
a. INVOLUNTARILY SEPAR	NED								
		2	10	7	19				
b. IN MILITARY HOUSING T DISPOSED/REPLACED	O 8E	اه	٥	0					
c UNACCEPTABLY HOUSE	D IN COMMUNITY	<del></del>			-				
w orderenser noose	D IN COMMON I	102	110	30	242				
VOLUNTARY SEPARATION	S	<del>                                     </del>							
		111	109	12	132	_12	96	11	
EFFECTIVE HOUSING REC	UIREMENTS								
		458	1,662	327	2,467	517	1,490	298	2
HOUSING ASSETS (a + b									
a. UNDER MILITARY CONTI		371	1,617	297	2,285	378	1,842	82	2
E. UNDEH MILITARY CONTR	IOL	211	1.286	215	1,712	211	1.501	اه	
(1) HOUSED IN EXISTING	3000		1,290	215	1,712		1.301	- 0	t
OWNED/CONTROLL		199	1.242	215	1.656	0	اه	0	
(2) UNDER CONTRACT/A		1	1,2742	210	1,000		<del></del>	<del></del>	
						ol	اه	0	
(3) VACANT			T						
	<del></del>	0	0	0	0				
(4) INACTIVE									
b. PRIVATE HOUSING		12	44	<u> </u>	56				L
o. Phiante housing		160	331	82	573	167	341	82	
(1) ACCEPTABLY HOUSE	:0	<del> '**</del>	331	<u>02</u>	- 3/3		341	92	
(1, 112221 11221 11233		155	320	75	550	167	341	82	
		1							
(2) VACANT RENTAL HOUS			11	7	23	0	0	0	
EFFECTIVE HOUSING DEF	CIT	$\overline{}$							
		87	65	30	182	139	(352)	216	
PROPOSED PROJECT							T		
REMARKS OFECIPY ITEM NUMBER	<del> </del>						76		

	₽v.	1005	MIT TT	ARY COI	NC TO II	~T T (N)	DD-CT			2. DA	re	
AIR FORCE		1995		puter o			rkogi	w				
3. INSTALLATI	ON AND LO	CATIC			_	DINAMMO			15	. ARI	EA CONS	
						FORCE			]	COST INDEX		
EDWARDS AIR F	ORCE BASI	E. CAI	IFORN	TA .		RIEL C	OMMAN	ID.		1.38		
. PERSONNEL	<u> </u>		ERMANI			TUDENT			PORTE	1		
STRENGTH	-	OFF		CIV	OFF		CIV	OFF	ENL	CIV	TOTAL	
As of 30 S	ED 93	658				2.12	( ·			+	7,64	
o. End FY 199		622			1		l i	29	20	112	7,52	
J. ENG FI 193	· •			ENTORY		16000	$\vdash$	23		1112	1,32	
. Total Acre	200: /	301,9		BUTOKI	PAIA	(3000	<u> </u>					
o. Inventory	-	-	-	PD 031					٠	53,4	56	
. Authorizat			•	-					•	62,40		
. Authorizat 1. Authorizat				-	~~~					4,62		
. Authorizat	_			-	-		/ DV 1	0061		4,02	0	
f. Planned In				-	_	. <b>a</b>	(21 1	, 990)			0	
g. Remaining			. Ogram	16619	•						0	
n. Grand Tota		-y •							-	20 49		
B. PROJECTS P		TN TE	ITC DD	CDAM.	EV 1	005				20,48	) <b>)</b>	
	EGOESTED	TH TE	IIS PRO	JOKAN:	FI.	1333		COST	DE	CTCN	CTATHC	
CATEGORY	PPO T	200 MI	mt m			2000					STATUS	
CODE	PROJ	ECT TI	TLE		2	COPE		(\$000	1 5	TART	CMPL	
711_140 DEDI	SOP PANTI	V HOT	ICTNO			24	TTM	4 62	O 771	IRN KI	2 <b>V</b>	
711-142 REPI	ACE FAMI	LI HOU	PING				_	4,62	_	IKN KI	51	
						TOTAL		4,62				
	rojects:								1 199	א נסי	JNE	
	or Major								+	hich	10	
responsible f											rea	
avionics, fli	-			-	-		_					
include B-1,			-		-	-	-					
	Force Ter											
& UH-1); Air		Wadaa	tenar	nts ind	-1	US Ar	ny Av	riatio	n Eng	inee	ring	
& UH-1); Air Phillips Labo		major			stage						_	
Phillips Labo	ratory.	_		Resea		Pacili	ty; a	nd Je	t Pro	barsı	_	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Laboactivity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Laboactivity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Laboactivity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Laboactivity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
• -	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	
Phillips Labo Activity; NAS	ratory. A Ames Di	ryden	Flight		arch I		-			-	ion	

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE EDWARDS AIR FORCE BASE, CALIFORNIA REPLACE FAMILY HOUSING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

8.87.41 711-142 FSPM954501C

9. COST ESTIMATES

7. COST BUILTING		1	UNIT	COST
ITEM	U/M	QUANTITY		(\$000)
FAMILY HOUSING	UN	34	86,284	2,934
SUPPORTING FACILITIES			•	1,245
SITE PREPARATION	LS			( 205)
ROADS AND PAVING	LS			( 370)
UTILITIES	LS			( 230)
LANDSCAPING	LS			( 43)
DEMOLITION	LS			( 33)
ASBESTOS ABATEMENT	LS			( <u>364</u> )
SUBTOTAL				4,179
CONTINGENCY (5%)				209
TOTAL CONTRACT COST				4,388
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				241
TOTAL REQUEST				4,629
			į	
AREA COST FACTOR 1.38				

10. Description of Proposed Construction: Replace 34 Wherry JNCO units. Construct housing units with gable roofs, road/sidewalks, driveway, attached garage, and exterior wooden storage shed. Install roof-mounted evaporator coolers, paint interior, exterior and color coat stucco. Includes electrical, mechanical, structural, and architectural work. Provide irrigation system in common areas. Demolish 34 existing units.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	ARF	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	1.43	55	14	1,046,045
JNCO 3BR	1200	1.43	55	20_	1,887,600
		<del></del>		34	2,933,645

PROJECT: Replace 34 Wherry Family Housing units. (Current Mission) REQUIREMENT: This project is required to provide quality of life improvements and energy efficient housing units to the existing area to enhance standards of livability for the residents. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: These family housing units were originally built in the 1950's. They have not received any major renovations since that time period. The two bedroom units are more than 120 Net Square Feet under the authorized net floor area. The three bedroom units lack entry foyers and have at least one undersized bedroom. The harsh environment has taken its toll and the units have deteriorated beyond economical repair. Asbestos-containing building materials contribute significantly to the extremely high repair cost. The exteriors of these facilities have

	1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	2. DATE
	3. INSTALLATION AND LOCATION  EDWARDS AIR FORCE BASE, CALIFORNIA	
	4. PROJECT TITLE 5. P	PROJECT NUMBER
ı	REPLACE FAMILY HOUSING	SPM954501C

deteriorated to the point that all wooden surfaces need to be replaced. Plumbing and electrical systems are in such poor repair that constant maintenance is required to maintain operability. This housing area is very congested and presents a traffic flow safety hazard when cars park on the streets. Irrigation systems in common areas are required to provide a useable and aesthetic environment for the neighborhood.

IMPACT IF NOT PROVIDED: The harsh desert environment will continue to take its toll on these old and deteriorated units. Asbestos will continue to limit maintainability and future repair costs will be exorbitant due to environmental abatement requirements. Exterior surfaces will continue to deteriorate and huge maintenance costs will be incurred. The Air Force Flight Test Center will have an increasingly difficult time meeting energy conservation goals. Mechanical and electrical systems will continue to deteriorate, adding to the already heavy workload and high cost to maintain. The units will become uninhabitable.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.

710N 100 MILE LOS ANG OFFICER (e) 766 766 569 22 24 547 486	PRO 3 E9 - E4 (0) 3 3,196 2,506 100 2,406	JECYED E3 - E1 (g) 555 555 150	TOTA (N) 4.5 4.5 3.2
100 MILE LOS ANG OFFICER (e) 766 766 569 22 22	3ELES PRO 1 E9 - E4 (f) 3,198 2,508 100 2,408	JECTED E3 - E1 (g) 555 555 150	(h) 4.5 4.5 3.2
OFFICER (e) 766 766 569 22 547 486	PRO 3 E9 - E4 (0) 3 3,196 2,506 100 2,406	555 555 556 150	(h) 4.5 4.5 3.2
(e) 768 768 569 22 547 486	3,196 3,196 2,506	555 555 556 150	(h) 4.5 4.5 3.2
(e) 768 768 569 22 547 486	(f) 3,196 3,196 2,506	(g) 555 555 150	(h) 4.5 4.5 3.2
766 766 569 22 547 486	3,196 3,196 2,506	555 555 150	4,5
788 569 22 547 486	3,196 2,508 100 2,408	\$55 150	3,2
22 547 486	2,508	150	3,2
22 547 486	2,508 100 2,408	150	3,2
22 547 486	100	18	
547 486	2,406		
547 486	2,406		
547 486	2,406		
547 486	2,406		
547 486	2,406		
547 486	2,406		
547 486	2,406		
547 486	2,406		
486		132	3.0
	2,074		
	2,074		
410		88	2,0
	1,579	اه	1,5
***			
410	1,579	0	1,8
0	0	lol	
		· · · · · · · · · · · · · · · · · · ·	
76	495	88	6
۵, ا	322	44	4
	332	-	
	34		
	76 61	61 332	61 332 44

1. COMPONENT	Y 1995	MIT.TO	ARY CO	NSTP110	יייייייייייייייייייייייייייייייייייייי	ם מים	) A M		2. DA	TE
AIR FORCE	. 4773		puter o			- NOU!	-	- 1		
	T OCATIO		bacer (						S ADI	PA CONST
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE,				4. COMMAND AIR FORCE				ĺ	5. AREA CONST	
CALIFORNIA				SPACE COMMAND				l	1.36	
5. PERSONNEL	STUDENTS SUPPOR				POPT					
STRENGTH	+	PERMANENT OFF ENL CIV		OFF ENL CIV					TUTAL	
As of 30 SEP 93	667				ENL	<u> </u>	OFF	ENL	1014	4,54
. End FY 1999	609			1 1					ļ	4,10
. Blid FI 1999			ENTORY		15000					4/10.
. Total Acreage: (					14000	<u></u>			<del></del>	
. Inventory Total A	-	•	EP 931					1.	109,64	49
. Authorization Not								-,	15,69	
l. Authorization Req				ram:					16,40	
. Authorization Inc.					am:	(FY I	996)		,	0
. Planned In Next T			_	_		•	•			0
. Remaining Deficies		•								0
. Grand Total:	- <b>-</b>							1,	141,75	59
. PROJECTS REQUESTE	D IN TE	HIS PRO	OGRAM:	FY 1	995					
ATEGORY							COST	<u>d</u> 1	ESIGN	STATUS
CODE PRO	JECT TI	ITLE		<u>s</u>	COPE		(\$000	<u>)</u>	START	CMPL
				_						
11-142 REPLACE FAM	ILY HOU	USING			128	UN _	16,46	<u> 0</u>	URN KI	EY
					TOTAL:	:	16,46	50		
a. Future Projects	: Incl	lv jed :	in the	Follo	wing 1	Progr	am (F	Y 19	96) NO	ONE
b. Future Projects	: Typi	ical Pi	lanned	Next	Three	Year				
		tions:	Head	quarte	rs Fo	ırtee	nth A			
		tions:	Head	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
Do. Mission or Major space wing (UH-1 hel space and missile tra	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			
pace wing (UH-1 hel:	icopte	tions: rs); a	Heado nd an J	quarte	rs Fo	ırtee	nth A			

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE VANDENBERG AIR FORCE BASE, CALIFORNIA REPLACE FAMILY HOUSING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$00C) 8.87.41 711-142 XUMU924014P2 16,460 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) 78,746 REPLACE CAPEHART HOUSING, PHASE 2 128 10,079 SUPPORTING FACILITIES 4,780 SITE PREPARATION LS 675) ROADS AND PAVING LS 852) UTILITIES LS (2,000)LANDSCAPING LS 462) RECREATION LS 158) LS SPECIAL CONSTRUCTION FEATURES 120) 513) OTHER (SPECIFY) ASBESTOS/LEAD PAINT LS SUBTOTAL 14,859 CONTINGENCY (5%) 743 TOTAL CONTRACT COST 15,602 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 858 TOTAL REQUEST 16,460 AREA COST FACTOR

10. Description of Proposed Construction: Replace 128 family housing units. Demolish existing units and reconstruct on existing foundations. Includes site preparation, landscaping, improved parking, new mechanical and electrical systems, patios with privacy fencing, neighborhood improvements to include playgrounds, sidewalks and recreational areas. New units will also receive new appliances.

1.36

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	1.35	55	78 ·	5,501,925
JNCO 3BR	1200	1.35	55	39	3,474,900
JNCO 4BR	1350	1.35	<u> 55</u>	11_	1,102,613
		•		128	10,079,438

11. PROJECT: Replace 128 Junior NCO Family Housing units. (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: These units are over 30 years old and have deteriorated to the point where replacement is the most economical alternative. Wiring and fixtures have been identified by the Fire Department and Base Safety as a fire hazard; wiring is brittle and exposed in many units. Plumbing systems have succumbed to the effects of hard water and corrosion, resulting in severe constriction and pipe leakage. Plumbing fixtures are worn and unnattractive. Main and master baths are

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION  VANDENBERG AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING	XUMU924014P2

deteriorated and outdated, having shower enclosures and medicine cabinets which are corroded, discolored, and pitted. The unit floor plans are ineffecient and produce a poor fuctional layout for families to live.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in substandard quarters with electrical and mechanical systems that do not meet US building codes or standards. Extremely high operations and maintenance costs will continue to be incurred due to the age and deterioration of the building systems including, door and window hardware, roofing systems, mechanical and electrical systems, flooring, and insufficient roof and wall insulation. The units will eventually become uninhabitable. Morale and retention of the members and families will continue to negatively impact mission accomplishment.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.

MILITARY FAMILY HOL	SING JUSTIFICATION 1. DA		PAT		2. FISC		REPORT   DO-A&L(	CONTROL	. SYMBC		
3 MAINTEONEDINENT	14. REPORTING INSTALLAT				1993	<del></del>	UU-Mal	Anjirio			
AIR FORCE	a. NAME				b. LOCATION						
5. DATA AS OF	VANDENBERG				ELEVEN MILES NORTH OF						
31 JANUARY 1992	AIR FORCE BASE					POC. CALIF					
ANA	ILYSIS		CURRENT			I		ECTED			
	OF	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL		
REQUIREMENTS AND ASSETS		(a)	(b)	(c)	(d)	(0)	0	(g)	(h)		
6. TOTAL PERSONNE	STRENGTH										
		820	2.145	520	3,485	646	1.898	713	3,2		
7. PERMANENT PART	r Personnel	703	٠	520			1,898	713	3.25		
A TANANA FAMILY NA	USING REQUIREMENTS	/03	2,145	520	3,368	646	1,096	/13	3,2		
e. GHUSS FAMILT HU	USING REGUINEMENTS	572	1,811	174	2,557	497	1.386	224	2,10		
TOTAL UNIVERSE	BLY HOUSED (a + b + c)	<del>                                     </del>	1,011	1/4	2,337	407	1,000	224			
s. TOTAL GRACOLITI	1000000 14 7 0 7 0,		146	2	154						
a. INVOLUNTARILY	SEPARATED	<del>-</del>		<b></b>							
		1	5	2	7						
b. IN MILITARY HO	JSING TO BE	1									
DISPOSED/REPL	ACED		135		135						
c. UNACCEPTABLE	HOUSED IN COMMUNITY										
		6	6	L	12						
O. VOLUNTARY SEPA	RATIONS										
		6	80	3	89	5	66	4			
1. EFFECTIVE HOUSE	NG 47, JUIREMENTS					٠	4 000				
	7	566	1,731	171	2,468	492	1,320	220	2,03		
2. HOUSING ASSETS	(a + D)	591	1,619	171	2,381	617	1.767	3	2,3		
a. UNDER MILITAR	CONTROL	-	1.013	171	2,501	0.7	1,707	—— <u> </u>			
a. UNDER MICHAR	CONTINUE	463	1,340	168	1,971	485	1,486		1.9		
(1) HOUSED IN	EXISTING DOD										
OWNED/COI	NTROLLED	434	1,309	168	1,911	485	1,486		19,7		
(2) UNDER CON	TRACT/APPROVED										
(3) VACANT		4									
		29	31	Ļ	60						
(4) INACTIVE		1									
b. PRIVATE HOUSI	10								_		
B. PRIVATE HOUSI	10	128	279	3	410	132	281	3	41		
(1) ACCEPTABLY	HOUSED	120	219		710	TOE	201	•			
(I) NOOLI'INBL	1100000	126	276	1	403						
(2) ACCEPTARL	VACANT RENTAL	1		<b></b>							
(a) Trouble (ribbs)		2	3	2	7						
3. EFFECTIVE HOUSI	NG DEFICIT										
	· ·	-25	112		87	-125	-447	217	-3:		
4. PROPOSED PROJE	CT										
							128		12		

15. REMARKS

ITEM 6 - 13. BASIC DATA WERE EXTRACTED FROM THE FAMILY HOUSING SURVEY OF JANUARY 1992.

	160	- W						2	. DAT	CE.	
AIR FORCE	FY 199	5 MILITA (COM)	ARY COL			· ROGI	MAN				
3. INSTALLATION	AND LOCAT				MMAND			5	ARE	A CONST	
BOLLING AIR FORC			OF	AIR FORCE DISTRICT				١	COST INDEX		
COLUMBIA	, -				SHING				1.03		
6. PERSONNEL		PERMANI	ENT		UDENTS		SUP	PORTE			
STRENGTH	OF	F ENL	CIV	OFF		CIV	OFF		CIV	TOTAL	
a. As of 30 SEP	<del></del>	6 1517				80	210	1222	_	5,355	
b. End FY 1999	1	9 1432		392			210		1 1	5,233	
D. BIIG F1 1777		7. INV					210	1222	لـــــــــــــــــــــــــــــــــــــ	5,233	
a. Total Acreage	: (	607)	31110111	Dain	(\$000)						
b. Inventory Tot		,	EP 931					2	41,94	11	
c. Authorization								-	9,40		
d. Authorization			-	Tram:					9,00		
B. Authorization	_			-	am: /	PY 1	.996)		,,,,	0	
f. Planned In Ne			-	_			,			0	
g. Remaining Def									16,80	•	
h. Grand Total:	201007								77,14		
B. PROJECTS REQU	ESTED IN	THIS PRO	GRAM:	FY 1	995				· · / - ·	· <del></del>	
CATEGORY							COST	DE	SIGN	STATUS	
CODE	PROJECT :	TITLE		s	COPE		(\$000	_	TART	CMPL	
<del></del>				=			10000	_ =			
711-142 REPLACE	FAMILY HO	DUSING			100	UN	9,00	o <b>TU</b>	RN KE	Y	
					TOTAL:		9,00	ō			
a. Future Proj	ects: In	cluded i	in the	Follo	wing F	rogr	am (F	Y 199	6) NO	NE	
b. Future Proj	ects: Ty	pical Pl	lanned	Next	Three	Year	8:	_			
10. Mission or	Major Fund	ctions:	Suppo	orts A	ir For	ce p	erson	nel i	n the	!	
National Capitol	•					_					
Chaplains, Surge	on General	l, and F	Histori	an: H	eadqua	rter	a Air	Force	• Off	ice	
of Special Inves	tigation;	Air For	cce Ofi		_	ntif	ic Re	searc	h; Ai	.r	
of Special Investorce Legal Serv	_			fice o	f Scie						
Force Legal Serv	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
<del>-</del>	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
orce Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
orce Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
orce Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
orce Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
orce Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
orce Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	
force Legal Serv and USAF Honor G	ices Agend	cy; Air	Force	ice o Medic	f Scie	port	Agen	cy; U	SAF B	and;	

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION 4. PROJECT TITLE BOLLING AIR FORCE BASE

WASHINGTON, DISTRICT OF COLUMBIA REPLACE FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(5000)

7.87.41 711-142 BXUR954000 9,000

9. COST ESTIMAT	ES			
ITEM	U/M	QUANTITY	UNIT	COST (\$000)
REPLACE FY70 APPROPRIATED FAMILY HSG SUPPORTING FACILITIES SITE PREPARATION ROADS AND PAVING UTILITIES LANDSCAPING SPECIAL CONSTRUCTION FEAT. (CW LINES) OTHER (DEMO./LEAD BASED PAINT/ASBESTOS SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5.5%) TOTAL REQUEST	UN LS LS LS LS LS LS	100	72,397	7,240 885 ( 126) ( 137) ( 190) ( 27) ( 184) ( 221) 8,125 406 8,531 469 9,000
AREA COST FACTOR 1.05		ah 100 au		

10. Description of Proposed Construction: Demolish 100 existing housing units and replace with 100 new units. Provide interior utilities, fixtures, finishes, handicap adaptability, and fire protection. Alter existing infrastructure to accommodate new housing site. Provide landscaping and handicap curb access. Provide a cohesive blend of new walks and common areas to existing.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3BR	1200	1.02	55	49 .	3,298,680
JNCO 4BR	1350	1.02	55	26	1,969,110
SNCO 3BR	1350	1.02	55	11	833,085
SNCO 4BR	1450	1.02	55	14	1,138,830
				100	7,239,705

PROJECT: This project will replace 100 NCO housing units and improve neighborhood common areas to support the "current mission".

REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: These housing units were constructed in 1975 under strict budget constraints and lack the quality and amenities required to meet current standards. The units are undersized and do not have adequate bathrooms, secondary eating areas, and private exterior living areas. Current floor layouts are not functional and do not allow maximum use of available space. The units are not in compliance with current fire

Page No

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION P.  AIR FORCE (computer generated)	ROJECT DATA
3. INSTALLATION AND LOCATION  BOLLING AIR FORCE BASE WASHINGTON, DISTRICT OF CO	OLUMBIA
4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING	BXUR954000

protection and handicap laws. Condensing units were installed during original construction in 1975 and require frequent repairs to keep them operational. Carports require remedial repairs to eliminate rotted wood damage and preserve the structures. Proper entrance walks and landscaping is required to clearly define front entrances and redirect the focal point from carport structures to the front entrances.

IMPACT IF NOT PROVIDED: Failure to correct deficiencies and meet current safety and health standards, compromises health and safety of the occupants and impacts quality of life, government resources and inadvertently impacts mission readiness.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.

	IILII ARY FAMILY HOUSING JUSTIFICATION 1. DATE OF REPORT (YYMMDD)							CONTROL (AR) 1 71 6	. SYMBO					
	4. REPORTING INSTALLAT	ION												
AIR FORCE	a. NAME							b. LOCATION						
5. DATA AS OF	Bolling Air Force	Base,			İ	Washingt	on DC							
July, 1993	District of columb	ia			!									
ANA	LYSIS		CURRENT				PRO.	ECTED						
	OF	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL					
REQUIREMEN	TS AND ASSETS	(e)	(b)	(c)	(d)	(•)		(g)	(h)					
6. TOTAL PERSONNEL	STRENGTH													
		5,294	3,887	353	9,534	5,294	3,869	371	9,53					
7. PERMANENT PARTY	PERSONNEL			I										
		5.294	3,887	353	9,534	5,294	3,869	371	9,53					
8. GROSS FAMILY HOL	JSING REQUIREMENTS													
		4,192	2,725	56	6,973	4,147	2.686	59	6,89					
9. TOTAL UNACCEPTA	BLY HOUSED (a + b + c)													
		1,570	1,044	15	2,629									
a. INVOLUNTARILY	SEPARATED				i									
		29	23	0	52									
b. IN MILITARY HOL	ISING TO BE													
DISPOSED/REPL		0	0	0	0									
c. UNACCEPTABLE	HOUSED IN COMMUNITY													
		1,541	1,021	15	2,577									
10. VOLUNTARY SEPA	10. VOLUNTARY SEPARATIONS							_						
		79	100	2	181	79	101	2	183					
11. EFFECTIVE HOUSIN	ig requirements		_	l _										
		4,113	2,625	54	6,792	4,068	2,585	57	6,710					
12. HOUSING ASSETS	(a + b)			!										
		2,613	1,605	40	4,258	2,563	1,750	40	4,35					
a. UNDER MILITARY	CONTROL						4 000							
		190	785	15	990	289	1,082	33	1,40					
(1) HOUSED IN E						191	766	33	990					
OWNED/CON		190	785	15	990	191	/60	33	331					
(2) UNDER CON	RACT/APPROVED					96	316	0	41					
(O) V4041F		_				\$6	316	U	411					
(3) VACANT		اه	0	0	o									
(4) INIACTIVE		<del></del>												
(4) INACTIVE		ا	0	اه	0									
b. PRIVATE HOUSIN	10													
b. PHIVALE HOUSIN		2,423	820	25	3,268	2.274	668	7	2,949					
(1) ACCEPTABLY	HOUSEN	2,425			0,200	6,617	000	•	2,01					
(I) NOOLI INDLI	1100025	2.353	796	24	3,173									
(2) ACCEPTARIE	VACANT RENTAL	2,000		-	- 5,									
(2) AOOLI IALLE	THOMIT HEITINE	70	24	1 1	95									
3. EFFECTIVE HOUSIN	(GDEEIGH	<del>  '</del>		<u> </u>										
Literite injudit		1,500	1.020	14	2.534	1,505	835	17	2,35					
14. PROPOSED PROJE	er er	1,500	.,			.,550								
· ·· · · ····· · · · · · · · · · · · ·	<del>-</del> •						100		100					

## 15. REMARKS

12a Excludes 405 MFH units designated to and occupied by Navy personnel at Bolling AFB. These units are not considered in the effective housing deficit.

1. COMPONENT		1005	MIT TO	Apv co	venni:	70 TOV 1			2	. DA	re	
AIR FORCE	FY	<b>TAA2</b>		ARY CO puter (			RUGI					
3. INSTALLATION	ON AND IA	CATIO			T	DIAMMO			5	. ARI	EA CONST	
					1	PORCE			٦	COST INDEX		
PATRICK AIR F	ORCE BASE	e. <b>P</b> i.o	ORTDA			E COMM	AND				. 98	
6. PERSONNEL	ONCE BASI		PERMAN	PNT	-	TUDENTS		SIII	PORTE			
STRENGTH	-		ENL	CIV	OFF		CIV	OFF	ENL		TOTAL	
a. As of 30 S	PD 03		2317		OFF	BND	C1.	33	531	<del></del>	4,42	
			1704					33	531	1	3,70	
b. End FY 199	9					10000		33	231	1 15	3,70	
				ENTORY	DATA	(\$000)						
a. Total Acre		-	341)							40 0		
b. Inventory									1	48,29		
c. Authorizat										7,70		
d. Authorizat										7,14		
e. Authorizat						cam: (	(FY )	1996)			0	
f. Planned In			cogram	Years	•						0	
g. Remaining		cy:									0	
h. Grand Tota									1	63,13	39	
8. PROJECTS R	EQUESTED	IN T	IIS PRO	OGRAM:	FY 1	1995						
CATEGORY								COST	. DE	SIGN	STATUS	
CODE	PROJE	CT T	TLE		<u> </u>	COPE		(\$000	<u>)) s</u>	TART	CMPL	
711-142 REPL	ace famii	LY HOU	JSING				UN _	7,14	5 TU	RN KI	EY	
						TOTAL:	}	7,14	5			
9a. Future P	rojects:	Incl	luded	in the	Polle	wing E	rogi	am (F	Y 199	6) NO	ONE	
9b. Future P	rojects:	Typi	ical P	lanned	Next	Three	Year	:8:				
10. Mission	or Major	Funct	ions:	A spa	ace wi	ing; th	ne Ai	r For	ce Te	chnic	al	
Applications (	-			_		-						
(HH-60 helico											1	
location for												
and HC-130 ai						_				_		
DOD Equal Oppo	•					_						
unit.			,					•				
_												

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

PATRICK AIR FORCE BASE, FLORIDA

REPLACE FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

8.87.41 711-142

SXHT954005

7,145

9. COST ESTIMAT	ES			
ITEM	U/M	QUANTITY	UNIT	COST (\$000)
REPLACE CENTRAL WHERRY HSG, PHASE III SUPPORTING FACILITIES ASBESTOS ABATEMENT SITE PREPARATION ROADS AND PAVING UTILITIES LANDSCAPING GARAGES/DEMOLITION (96 UNITS) SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5.5%) TOTAL REQUEST	UN LS LS LS LS LS LS	75	62,062	4,655 1,795 ( 393) ( 142) ( 138) ( 303) ( 122) ( 697) 6,450 323 6,773 373 7,145
AREA COST FACTOR .91				

10. Description of Proposed Construction: Replace 75 family housing units with attached or semi-attached garages in the Central housing areas. This project will also include neighborhood improvements. The existing units will be demolished. Housing units will include heating, cooling, appliances, garages, patios, and storage.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3BR	1200	.91	55	55	3,303,300
SNCO 3BR	1350	.91	55	20 ·	1,351,350
<del></del>				75	4,654,650

11. PROJECT: Replace 75 junior enlisted and junior NCO family housing units. (Current Mission)

REQUIREMENT: Project is required to provide adequate quarters for enlisted members and their families assigned to Patrick Air Force Base and Cape Canaveral Air Force Station. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: The Patrick AFB units were constructed between 1952 and 1958. The built-up gravel roofs are over 15 years old and have deteriorated to where they must be replaced. The exterior walls are concrete and stucco and have developed cracks that allow water/moisture intrusion to the interiors. Many of the wood porch components have deteriorated and the porches have been removed to prevent a safety hazard to the occupants. The infrastructure (sewer, water, electrical) have deteriorated beyond economic repair. The plumbing, electrical and

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
	ON AND LOCATION ORCE BASE, FLORIDA	
4. PROJECT TI		PROJECT NUMBER
REPLACE FAMII	Y HOUSING	SXHT954005

heating/air condition systems inside the units have also deteriorated beyond economic repair. All units have asbestos in the tiles, walls, ceilings, and exterior, and all units contain lead base paint.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in unsatifactory conditions, affecting morale and the retenition of quality personnel. Ultimately, the mission of Patrick AFB would be degraded. The Air Force will continue to pay excessive maintenance and energy costs due to the age and deterioration of the existing building systems. The units will eventually become uninhabitable.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.

7. PERMANENT PARTY PERSONNEL 667 2.431 447 3.545 665 2.448 397 3.  8. GROSS FAMILY HOUSING REQUIREMENTS 500 1.791 167 2.458 499 1.716 145 2.  9. TOTAL UNACCEPTABLE HOUSE (a + b + e) 29 208 7 242  a. INVOLUNTARILY SEPARATED 4 3 7  b. IN MAILITARY HOUSING TO BE DISPOSEOVREPLACED 105 105  c. UNACCEPTABLE HOUSE DIN COMMUNITY 29 97 4 130  0. VOLUNTARY SEPARATIONS 9 95 10 114 9 94 8  1. EFFECTIVE HOUSING REQUIREMENTS 491 1,696 157 2,344 490 1,622 137 2.  2. HOUSING ASSETS (a + b) 467 1,517 150 2,134 486 1,496 137 2.  a. UNDER MELITARY CONTROL 168 1,245 140 1,553 168 1,246 137 1.  (1) HOUSED IN EXISTING DOD 0 167 1,222 140 1,529 166 1,248 137 1.  (2) UNDER CONTROLLED 167 1,222 140 1,529 166 1,248 137 1.  (4) INACTIVE 1 23 24  (5) ACCEPTABLY HOUSED 299 272 10 551 298 250 5.  (7) ACCEPTABLY HOUSED 295 286 10 573  (2) ACCEPTABLE VACANT RENTAL 4 8  3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124	MILITARY FAMILY HOUS		(YYMOMODD)	PAT		2. FISC 1995	AL YEAR		CONTRO SL (AR) 17	
S. DATA AS OF MARCH 1991   ANALYSIS   ANALYSIS   CURRENT   COCOA BEACH, FLORIDA	3. DOD COMPONENT	4. REPORTING INSTA	ALLATION		***					
ANALYSIS OF REQUIREMENTS AND ASSETS (a) OFFICER E9-E4 E3 - E1 TOTAL (b) OFFICER E9-E4 E3 - E1 TOTAL (c) OFFICER E9-E4 E4 E3 - E1 TOTAL (c) OFFICER E4 E4 E4 E4 E4 E4 E4 E4 E4 E4 E4 E4 E4	AIR FORCE	a. NAME		b. LOCATION						
ANALYSIS OF REQUIREMENTS AND ASSETS (e) OFFICER E9-E4 E3 - E1 TOTAL OFFICER E9-E4 E3 -	5. DATA AS OF	PATE	RICK		THA	EE MILES S	IO HTUGS	=		
OFFICER E9—E4 E3—E1 TOTAL OFFICER E9—E4 E3—E1 TOTAL (e) (f) (f) (g) (f) (g) (f) (b) (f) (g) (f) (g) (f) (g) (f) (g) (f) (g) (g) (g) (g) (g) (g) (g) (g) (g) (g	MARCH 1991	AIR f	FORCE BASE			COC	OA BEACH	, FLORID	A	
REQUIREMENTS AND ASSETS (e) (b) (c) (d) (e) (f) (g) (h) (a) (b) (b) TAL PERSONNEL STRENGTH  667 2.431 447 3.545 665 2.448 397 3.3  8. GROSS FAMILY PORSONNEL (667 2.431 447 3.545 665 2.448 397 3.3  8. GROSS FAMILY HOUSING REQUIREMENTS (500 1.791 167 2.459 459 1.716 145 2.3  9. TOTAL UNACCEPTABLE HOUSE (a + b + c) 29 200 7 2.42  a. INVOLUNTARILY SEPARATED 4 3 7  b. IN MAILITARY HOUSING TO BE DISPOSED/REPLACED 29 200 7 2.42  a. INVOCUNTARY SEPARATIONS 9 95 10 114 9 94 8  1. EFFECTIVE HOUSING REQUIREMENTS 491 1,696 157 2,344 450 1,622 137 2.3  4. UNDER MILITARY CONTROL 166 1.245 140 1,553 168 1,246 137 1.3  (2) UNDER MILITARY CONTROL (3) VACANT (4) INACTIVE  b. PRIVATE HOUSING 299 272 10 561 296 250  (1) ACCEPTABLE VACANT RENTAL 4 8  3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124  4. PROPOSED PROJECT	ANAI	LYSIS		CURREN	1			PRO	JECTED	
6. TOTAL PERSONNEL STRENGTH 7. PERMANENT PARTY PERSONNEL 8. GROSS FAMILY HOUSING REQUIREMENTS 9. TOTAL UNACCEPTABLE HOUSE (a + b + c) 9. TOTAL UNACCEPTABLE HOUSE (a + b + c) 1. INVALUNTARILY SEPARATED 1. INVALUNTARILY SEPARATIONS 1. EFFECTIVE HOUSING TO BE DISPOSED REQUIREMENTS 1. EFFECTIVE HOUSING REQUIREMENTS 1. UNDER MILITARY CONTROL 1. INVALUNTARILY SEPARATIONS 1. EFFECTIVE HOUSING REQUIREMENTS 1. INVALUNTARY SEPARATIONS 1. EFFECTIVE HOUSING REQUIREMENTS 1. INVALUNTARY SEPARATIONS 1. INVALUNTARY SE		OF	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
7. PERMANENT PARTY PERSONNEL  667	REQUIREMENT	S AND ASSETS	(a)	(b)	(c)	(d)	(•)	<u> </u>	(g)	(h)
7. PERMANENT PARTY PERSONNEL  8. GROSS FAMILY HOUSING REQUIREMENTS  9. TOTAL UNACCEPTABLE HOUSE (a + b + c)  9. TOTAL UNACCEPTABLE HOUSE (a + b + c)  10. TOTAL UNACCEPTABLE HOUSING TO BE DISPOSED/REPLACED  10. UNACCEPTABLE HOUSED IN COMMUNITY  10. VOLUNTARY SEPARATIONS  11. EFFECTIVE HOUSING REQUIREMENTS  12. HOUSING ASSETS (a + b)  13. UNDER MILITARY CONTROL  14. UNDER MILITARY CONTROL  15. IN PROPOSED PROJECT  16. I 23  17. LEVEL TO THE CONTRACT/APPROVED  18. I 23  19. I 24  19. I 23  24  24  29. 272  20. ST 242  24. I 24  25. I 242  26. I 245  27. I 242  28. I 245  29. 272  20. I 24  20	6. TOTAL PERSONNEL	STRENGTH	667	2 431	447	3.545	665	2.448	397	3,51
8. GROSS FAMILY HOUSING REQUIREMENTS 9. TOTAL UNACCEPTABLE HOUSE (a + b + c) 29 205 7 242 2. INVOLUNTARILY SEPARATED 4 3 7 5. IN MAILITARY HOUSING TO BE DISPOSED/REPLACED 6. UNACCEPTABLE HOUSED IN COMMUNITY 7. UNACCEPTABLE HOUSED IN COMMUNITY 8. IN MAILITARY HOUSING REQUIREMENTS 9 97 4 130 8. VOLUNTARY SEPARATIONS 9 95 10 114 9 94 8 1. EFFECTIVE HOUSING REQUIREMENTS 491 1,696 157 2,344 490 1,622 137 22. 1. EFFECTIVE HOUSING REQUIREMENTS 491 1,696 157 2,344 490 1,622 137 22. 1. UNDER MILITARY CONTROL 168 1,245 140 1,553 168 1,246 137 1. 1. (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED 167 1,222 140 1,529 168 1,248 137 1. 1. (2) UNDER CONTRACT/APPROVED 1581 299 272 10 581 298 250 11 ACCEPTABLE VACANT RENTAL 1 23 24 1. PROPOSED PROJECT 24 179 7 210 24 124 25 179 7 210 24 124 26 179 7 210 24 124 27 179 7 210 24 124 28 179 7 210 24 124 29 179 7 210 24 124 30 1. PROPOSED PROJECT	7. PERMANENT PARTY	PERSONNEL	207		467			2.449	207	
3. TOTAL UNACCEPTABLE HOUSE (a + b + c)  3. TOTAL UNACCEPTABLE HOUSE (a + b + c)  29	A ABASS FARILY DAL	(31776M3)=(61811-1=171=171=17		2,431	44/	3,545		2,440	39/	3,3
a. INVOLUNTARILY SEPARATED  a. INVOLUNTARILY SEPARATED  b. IN MAINTARY HOUSING TO BE DISPOSED/REPLACED  c. UNACCEPTABLE HOUSED IN COMMUNITY  29 97 4 130  0. VOLUNTARY SEPARATIONS  1. EFFECTIVE HOUSING REQUIREMENTS  29 95 10 114 9 94 8  1. EFFECTIVE HOUSING REQUIREMENTS  491 1,698 157 2,344 490 1,622 137 2,2  2. HOUSING ASSETS (a + b)  467 1,517 150 2,134 466 1,498 137 2,3  a. UNDER MILITARY CONTROL  (1) HOUSED IN EXISTING DOD  OWNED/CONTROLLED  (2) UNDER CONTRACT/APPROVED  (3) VACANT  (4) INACTIVE  b. PRIVATE HOUSING  (2) ACCEPTABLY HOUSED  (2) ACCEPTABLE VACANT RENTAL  4 4 8  3. EFFECTIVE HOUSING DEFICIT  24 179 7 210 24 124  4. PHOPOSED PROJECT			500	1.791	167	2,458	490	1,716	145	2,30
b. IN MAILITARY HOUSING TO BE DISPOSED/REPLACED C. UNACCEPTABLE HOUSED IN COMMUNITY 29 97 4 130  0. VOLUNTARY SEPARATIONS 9 95 10 114 9 94 8 1. EFFECTIVE HOUSING REQUIREMENTS 491 1,896 157 2,344 490 1,622 137 2.2 2. HOUSING ASSETS (a + b) 467 1,517 150 2,134 466 1,496 137 2.2 401 HOUSED IN EXISTING DOD OWNED/CONTROLL 168 1,245 140 1,553 168 1,248 137 1.3 (2) UNDER CONTROLLED (3) VACANT 1 23 24 (4) INACTIVE  b. PRIVATE HOUSING 299 272 10 561 296 250 (1) ACCEPTABLY HOUSED 295 268 10 573 (2) ACCEPTABLE VACANT RENTAL 4 4 8 3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124	. TOTAL UNACCEPTAE	BLE HOUSE (a + b + c		206	7	242				
DisposeDyreplaced   105   10	a. INVOLUNTARILY S	EPARATED		4	3	7				
DISPOSED/REPLACED  c. UNACCEPTABLE HOUSED IN COMMUNITY  29 97 4 130  0. VOLUNTARY SEPARATIONS  1. EFFECTIVE HOUSING REQUIREMENTS  29 95 10 114 9 94 8  1. EFFECTIVE HOUSING REQUIREMENTS  491 1,896 157 2,344 490 1,822 137 2,244  2. HOUSING ASSETS (a + b)  467 1,517 150 2,134 466 1,496 137 2,344  2. HOUSING ASSETS (a + b)  467 1,517 150 2,134 466 1,496 137 2,344  (1) HOUSED IN EXISTING DOD 168 1,245 140 1,553 168 1,248 137 1,544  (2) UNDER CONTROLLED 167 1,222 140 1,529 168 1,248 137 1,544  (3) VACANT 1 23 24  (4) INACTIVE  b. PRIVATE HOUSING 299 272 10 581 298 250 59  (1) ACCEPTABLE VACANT RENTAL 4 4 8  3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124 4  4. PROPOSED PROJECT	h IN MAILITARY HOL	ISING TO BE		<del> </del>		<u> </u>				
C. UNACCEPTABLE HOUSED IN COMMUNITY  29 97 4 130  0. VOLUNTARY SEPARATIONS  9 95 10 114 9 94 8  1. EFFECTIVE HOUSING REQUIREMENTS  491 1,896 157 2,344 490 1,622 137 2,2  2. HOUSING ASSETS (a + b)  a. UNDER MELITARY CONTROL  168 1,245 140 1,553 168 1,246 137 1,5  (1) HOUSED IN EXISTING DOD  OWNED/CONTROLLED  167 1,222 140 1,529 168 1,248 137 1,5  (2) UNDER CONTRACT/APPROVED  (3) VACANT  1 23 24  (4) INACTIVE  b. PRIVATE HOUSING  299 272 10 581 298 250  (1) ACCEPTABLY HOUSED  (2) ACCEPTABLE VACANT RENTAL  4 4 8  3. EFFECTIVE HOUSING DEFICIT  24 179 7 210 24 124  4. PROPOSED PROJECT				105	i	105				
0. VOLUNTARY SEPARATIONS 9 95 10 114 9 94 8 1. EFFECTIVE HOUSING REQUIREMENTS 491 1,696 157 2,344 490 1,622 137 2,2 2. HOUSING ASSETS (a + b) 467 1,517 150 2,134 466 1,498 137 2,  a. UNDER MILITARY CONTROL 168 1,245 140 1,553 168 1,248 137 1,5  (1) HOUSED IN EXISTING DOD CWNED/CONTROLLED 167 1,222 140 1,529 168 1,248 137 1,5  (2) UNDER CONTRACT/APPROVED  (3) VACANT 1 23 24  (4) INACTIVE  b. PRIVATE HOUSING 299 272 10 581 298 250 5  (1) ACCEPTABLY HOUSED 295 268 10 573  (2) ACCEPTABLE VACANT RENTAL 4 4 8  3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124  4. PROPOSED PROJECT			<del></del>			1				
1. EFFECTIVE HOUSING REQUIREMENTS  491 1,696 157 2,344 490 1,622 157 2,24  2. HOUSING ASSETS (a + b)  407 1,517 150 2,134 466 1,496 137 2,34  408 1,496 137 2,34  409 1,622 157 2,24  409 1,622 157 2,344  409 1,622 157				97	4	130				
2. HOUSING ASSETS (a + b)  491 1,696 157 2,344 490 1,622 137 2,2  2. HOUSING ASSETS (a + b)  487 1,517 150 2,134 466 1,498 137 2,3  488 1,245 140 1,553 168 1,248 137 1,5  (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED 167 1,222 140 1,529 168 1,248 137 1,5  (2) UNDER CONTRACT/APPROVED  (3) VACANT 1 23 24  (4) INACTIVE  b. PRIVATE HOUSING 299 272 10 581 298 250 59  (1) ACCEPTABLY HOUSED 295 268 10 573  (2) ACCEPTABLE VACANT RENTAL 4 4 8  3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124 154  4. PHOPOSED PROJECT	O. VOLUNTARY SEPAR	ATIONS		95	10	114	9	94	8	.11
2. HOUSING ASSETS (a + b)  a. UNDER MILITARY CONTROL  168 1.245 140 1.553 168 1.248 137 1.5  (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED  167 1.222 140 1.529 168 1.248 137 1.5  (2) UNDER CONTRACT/APPROVED  (3) VACANT  1 23 24  (4) INACTIVE  b. PRIVATE HOUSING 299 272 10 581 298 250 5  (1) ACCEPTABLY HOUSED 295 268 10 573  (2) ACCEPTABLE VACANT RENTAL 4 4 8  3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124  4. PROPOSED PROJECT	1. EFFECTIVE HOUSIN	G REQUIREMENTS	491	1 696	157	2.344	490	1,622	137	2.24
a. UNDER MILITARY CONTROL  168 1,245 140 1,553 168 1,248 137 1,5  (1) HOUSED IN EXISTING DOD	2. HOUSING ASSETS	(a + b)	1 2	1,444						
168   1,245   140   1,553   168   1,248   137   1,5	- UNDERFORE PROPERTY	CONTROL	40/	1,317	130	2,134		1,450	13/	2,10
OWNED/CONTROLLED 167 1,222 140 1,529 168 1,248 137 1,5 (2) UNDER CONTRACT/APPROVED  (3) VACANT 1 23 24 (4) INACTIVE  b. PRIVATE HOUSING 299 272 10 581 298 250 (1) ACCEPTABLY HOUSED 295 268 10 573 (2) ACCEPTABLE VACANT RENTAL 4 4 8 3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124 4. PROPOSED PROJECT		·	168	1,245	140	1,553	168	1,248	137	1,55
(2) UNDER CONTRACT/APPROVED  (3) VACANT  1 23 24  (4) INACTIVE  5. PRIVATE HOUSING  299 272 10 581 298 250  (1) ACCEPTABLY HOUSED  295 268 10 573  (2) ACCEPTABLE VACANT RENTAL  4 4 8  3. EFFECTIVE HOUSING DEFICIT  24 179 7 210 24 124  4. PROPOSED PROJECT	(1) HOUSED IN E	KISTING DOD								
(3) VACANT  1 23 24  (4) INACTIVE  b. PRIVATE HOUSING  299 272 10 581 298 250  (1) ACCEPTABLY HOUSED  295 268 10 573  (2) ACCEPTABLE VACANT RENTAL  4 4 8  3. EFFECTIVE HOUSING DEFICIT  24 179 7 210 24 124  4. PROPOSED PROJECT	OWNED/CON	TROLLED	167	1,222	140	1,529	168	1,248	137	1,5
1   23   24	(2) UNDER CONTI	RACT/APPROVED								
(4) INACTIVE  b. PRIVATE HOUSING  299 272 10 581 298 250  (1) ACCEPTABLY HOUSED  295 288 10 573  (2) ACCEPTABLE VACANT RENTAL  4 4 8  3. EFFECTIVE HOUSING DEFICIT  24 179 7 210 24 124  4. PHOPOSED PROJECT	(3) VACANT		,	23		94				
299   272   10   581   298   250   241	(4) INACTIVE	<u> </u>	<del></del>	23						
(1) ACCEPTABLY HOUSED  295	b. PRIVATE HOUSING	3				504	200	OF A		54
295 268 10 573  (2) ACCEPTABLE VACANT RENTAL  4 4 8  3. EFFECTIVE HOUSING DEFICIT  24 179 7 210 24 124  4. PHOPOSED PHOJECT	(1) 4000000	WO 1050		272	10	561	295	230		
3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124 4. PROPOSED PROJECT			295	268	10	573				
3. EFFECTIVE HOUSING DEFICIT 24 179 7 210 24 124 4. PROPOSED PROJECT	(2) ACCEPTABLE	VACANT RENTAL	4	4		8				
24 179 7 210 24 124 1 4. PROPOSED PROJECT	3. EFFECTIVE HOUSIN	GDEFICIT								
		·	24	179	7	210	24	124		14
	4. PROPOSED PROJEC	T								7

15. REMARKS (SPECIFY ITEM NUMBER)

ITEM 6 - 13. BASIC DATA WERE EXTRACTED FROM THE HOUSING MARKET ANALYSIS OF MARCH 91.

1. COMPONENT	Y 1995 MILIT	NARY CO	NCTRIIC	TTON 1	POCE	) A M		2. DA1	TE.	
AIR FORCE		puter			ROOM	CAT!				
INSTALLATION AND		pacer		MMAND				S. ARE	A CONS	
. INDIREDITION RID	200111011		1. 00						T INDE	
OUNTAIN HOME AIR FO	RCE BASE. ID	OHA	ATR C	OMBAT	COM	AND	ŀ	1.15		
. PERSONNEL	PERMAN		<del></del>	UDENTS			PORT			
STRENGTH	OFF ENL	7	OFF		CIV		ENL		TOTAL	
As of 30 SEP 93	339 2826			55				3	3,74	
. End FY 1999	352 2767	1		6	1			3	3,61	
		ENTORY			-			لتسلب		
. Total Acreage: (	······································			1455						
o. Inventory Total A	-	EP 931						194,86	88	
. Authorization Not	•								0	
i. Authorization Reg		_	gram:					6,59	3	
. Authorization Inc			_	am:	(FY )	1996)		-,	0	
f. Planned In Next T		_	_		,				0	
. Remaining Deficie	•								0	
n. Grand Total:							:	201,46	51	
. PROJECTS REQUESTE	D IN THIS PR	OGRAM:	FY 1	995						
CATEGORY						COST	. Di	ESIGN	STATUS	
CODE PRO	JECT TITLE		s	COPE		(\$000	_	START	CMPL	
			=							
711-142 REPLACE FAM	ILY HOUSING			60	UN	5,71	.2 T	JRN KE	Y	
711-142 CONSTRUCT S		R			UN	•		JRN KE	Y	
HOUSING				_	•••				-	
				TOTAL:		6,59	13			
a. Future Projects	: Included	in the	Folic	wing I	Progr			96) NO	NE	
9b. Future Projects 10. Mission or Majo includes F-16, F-15,	r Functions:	An a	ir int				site	wing	which	

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE CONSTRUCT SENIOR OFFICER MOUNTAIN HOME AIR FORCE BASE, IDAHO HOUSI G 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 8.87.41 711-142 QYZH955007

9. COST ESTIMAT	ES			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT SENIOR OFFICER HOUSING SUPPORTING FACILITIES SITE PREPARATION ROADS AND PAVING UTILITIES LANDSCAPING AND NEIGHBORHOOD IMPROVMNT GARAGES AND STORAGE DEMOLITION SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAL (5.5%) TOTAL REQUEST	LS LS LS LS LS	4	123,284	493 302 ( 50) ( 75) ( 60) ( 40) ( 65) ( 12) 795 40 835 46 881
AREA COST FACTOR 1.10				

10. Description of Proposed Construction: Construct one General Officer and three Senior Officer houses with all necessary support. Project includes double garages, air conditioning, storage, covered patios, fireplaces, and all amenities. Project also includes sitework to develop anew senior officer housing area, utilities, roads, parking, walkways, and landscaping.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
SGO 4BR	1700	1.21	55		339,405
GOQ 4BR	2310	1.21	55	1	153,731
		<del></del>		4	493,136

PROJECT: Construct one General Officer and three Senior Officer houses. (Current Mission)

REQUIREMENT: Provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the installation commander and senior command staff. The housing and housing environment must provide the amenities comparable to that found in off-base communities. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: The base has a shortage of adequate senior officer housing. Three senior officers are currently living in houses designated and required for field and company grade officers. Four existing Senior Officer Quarters are substandard and do not meet requirements. Use of Field/Company grade housing denies adequate housing to other personnel, but provides necessary housing for the critical senior staff. The

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATIO MOUNTAIN HOME	N AND LOCATION  AIR FORCE BASE, IDAHO	
4. PROJECT TIT	LE	. PROJECT NUMBER
CONSTRUCT SENI	OR OFFICER HOUSING	QYZH955007

existing GOQ unit does not meet standards, nor can it feasibly be altered to do so. It was constructed in 1959 on concrete slab, with wood frame and flat roof. This GOQ (Installation Commander) unit is 1950 net sq ft, verses the authorized 2,310 net sq ft. Besides being too small, the house is poorly configured for day-to-day living and the entertainment responsibilities of the Commander. Site constraints have resulted in an extremely long, narrow (99ft x 28ft) house, with limited backyard privacy due to the shallow yard and close proximity of other houses. The house is in need or major upgrade and expansion to meet GOQ standards. Initial plans to improve and expand the house (approved in the FY 93 Improvement Program) were determined to be economically infeasible in the early stages of design. There simply is no place to logically add 360 sf of living There is no room at the front or rear of the house to accommodate an addition. Furthermore, due to structural constraints, any addition would necessitate complete replacement of the roof structure which greatly adds to the cost of renovation. The house is adequate to help satisfy an existing deficit of senior officer housing. The "whole house" improvements necessary for retention of the existing GOQ (as an SOQ) and remaining four SOQs will be addressed in a future program. IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support senior leadership. The small size of the housing will reflect poorly to the many dignitaries frequently entertained by the senior staff. One member of the senior staff will continue to live off-base, three will reside in quarters designated for other grades, and five (including one General Officer) will reside in substandard housing. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project.

ILITARY FAMILY HOUS	SING JUSTIFICATION 1. DA		RT		2. FISC/ 1995			CONTRO BL (AR) 17		
DOD COMPONENT	4. REPORTING INSTALLA									
AIR FORCE	a. NAME				b. LOCA	TION				
DATA AS OF	MT HOME AIR FO	DRCE BASE, I	OHAC		MT HOME , IDAHO					
FEBRUARY 1993					1					
ANAI	YSIS		CURREN	7			PRO.	JECTED		
	OF	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTA	
	S AND ASSETS	(a)	(b)	(c)	(d)	(•)	l (0	(g)	(h)	
TOTAL PERSONNEL	STRENGTH									
		372	2.244	589	3.205	424	2,432	639	3.	
PERMANENT PARTY	PERSONNEL									
		372	2,244	589	3.205	424	2,432	639	3.	
GROSS FAMILY HOU	SING REQUIREMENTS									
		260	1,702	167	2,129	297	1,844	182	2	
TOTAL UNACCEPTAR	SLY HOUSED (a + b + c)	<del></del>								
	· · · · · · · · · · · · · · · · · · ·	10	79	20	109					
a. NVOLUNTARILY	EPARATED	<del></del>								
		اه ا	0	0	0					
b IN MILITARY HOUS	ING TO BE	<del></del>								
DISPOSED/REPLA		1 0	0	0	٥					
	HOUSED IN COMMUNITY	<del>- * </del>								
u didioci indei i	ioooeo iii oominoidi i	10	79	20	109					
VOLUNTARY SEPAR	ATIONS	<del></del>	- '		, 00					
TOESITIANI GELAN	11.010		0	0	0	0	0:	o		
EFFECTIVE HOUSIN	A REQUIREMENTS	<del></del>								
2202000	5 112451112m21114	260	1,702	167	2,129	297	1,844	182	2	
HOUSING ASSETS	a ÷ b)	- 200	1,702		2,120		.,0	102		
TOOGUIG ROOETO	, c , c,	250	1.625	147	2.022	281	1.741	62	2.	
a. UNDER MILITARY	CONTROL		1,023	17/	2,022	201	1,741			
E. ONDER IMETARY	Sourie	144	1,151	137	1,432	144	1.288	0	1.	
(1) HOUSED IN E	USTING DOD	<del>- </del>	1,101				1,220			
OWNED/CON		144	1,151	137	1,432	144	1,288	0	1	
(2) UNDER CONTI			1,101	137	1,402		1,200	-	•	
(2) 0.00.1100111	(ACI/ATTIOTED					0	0	0		
(3) VACANT						0	U	U		
(5) TACAIT!			اه	0	٥					
(4) INACTIVE		<del></del>			—— <u> </u>					
(4) 110101172			اه	0	o					
b. PRIVATE HOUSING	à	<del></del>	<u>~</u>					T		
S. FRIVAIL HOUSE	•	108	474	10	590	137	453	62		
(1) ACCEPTABLY	HOUSED	100	/-		380	13/	433	- 02		
(I) ACCEPIABLE	HOUSED	106	472	10	586	135	446	61		
		100	7/2	10	366	135	440	- 01		
(2) VACANT RENTA	LOUGING		2	o	2	2	7	1		
EFFECTIVE HOUSIN		<del></del>			2	<u>2</u>		1		
ELLECTIAE UCOSIN	3 UCFROIT	10	77	20	107	16	103	120		
		101	7/1	201	10/	101	103	1201		
PHOPOSEDERIONEO	<del>````````````</del>	خنت سور			7					

1. COMPONENT	FY	1995	MILITA	ARY CO			PROGI	MAS		2. DA	CE
3. INSTALLATI	ON AND L	OCATIO				MMAND				5. ARI	EA CONST
										cos	T INDEX
MOUNTAIN HOME	AIR FOR	CE BAS	SE, IDA	AHO	AIR C	COMBAT	COM	IAND		1.	. 15
6. PERSONNEL			PERMANE		SI	UDENT	S	SUI	PORT	ED	
STRENGTH	•	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENI	CIV	TOTAL
a. As of 30 S	EP 93	339	2826	449	58	55	15			3	3,745
b. End FY 199	9	352	2767	491		6				3	3,619
		7	. INV	ENTORY	DATA	(\$000	)				
a. Total Acre	age: (	10,0	)57)								
b. Inventory	•	Of:	(30 SE	EP 93)						194,86	58
c. Authorizat			-								0
d. Authorizat					gram:					6,59	3
. Authorizat						am:	(FY 1	.996)			0
f. Planned In								•			0
g. Remaining			_								0
h. Grand Tota		-								201,46	51
B. PROJECTS P	EQUESTED	IN TH	IIS PRO	GRAM:	FY 1	.995					
CATEGORY								COST		ESIGN	STATUS
CODE	PROJI	ECT TI	TLE		S	COPE		(\$000	))	START	CMPL
					_						
711-142 REPL	ACE FAMII	LY HOU	ISING			60	UN	5,71	.2 1	URN, KE	EY
711-142 CONS	TRUCT SEI	NIOR C	FFICEF	₹ .		4	UN	88	1 1	URN KI	EY
HOU	SING						_				
						TOTAL:	:	6,59	3		
		Incl	uded i	in the	Follo	wing I	rogi	am (F	Y 19	96) NO	NE
9a. Future P	rojects:			bannel	Next	Three	Year	:8:			
9a. Future P 9b. Future P		Typi	cal Pl	Laimeu							
b. Future P						ervent	cion	compo	site	wing	which
b. Future P	rojects: or Major	Funct	ions:	An a	ir int	ervent	ion	compo	site	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	ion	compo	site	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	ion	compo	site	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	cion	compo	eite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	ion	compo	)site	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	ion	compo	osite	wing	which
b. Future F 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	ion	compo	osite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	ion	compo	osite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	ion	compo	osite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	cion	compo	osite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	cion	compo	osite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	cion	compo	o <b>s</b> ite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	cion	compo	o <b>s</b> ite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	cion	compo	o <b>s</b> ite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	cion	compo	o <b>s</b> ite	wing	which
b. Future P 10. Mission	rojects: or Major	Funct	ions:	An a	ir int	ervent	cion	compo	o <b>s</b> ite	wing	which

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE MOUNTAIN HOME AIR FORCE BASE, IDAHO REPLACE FAMILY HOUSING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(S000)

QYZH955003

9. COST ESTIMATES COST UNIT U/M QUANTITY COST ITEM (S000) REPLACE FAMILY HOUSING 3,577 58,520 UN 60 (3,511)LS SOLAR 66) ( SUPPORTING FACILITIES 1,579 SITE PREPARATION LS ROADS AND PAVING LS

711-142

( 404) 300) UTILITIES LS 400) LANDSCAPING AND NEIGHBORHOOD IMPROVMNT LS 155) RECREATION LS 90) LS DEMOLITION, ASBESTOS & LEAD ABATEMENT 230) SUBTOTAL 5,156 CONTINGENCY (5%) 258 TOTAL CONTRACT COST 5,414 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 298 TOTAL REQUEST 5,712 AREA COST FACTOR

1,10 10. Description of Proposed Construction: Replace 60 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides normal amenities, to include parking, air conditioning, garages, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal and solar considerations.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	1.12	55	60	3,511,200
	<del></del>		<del></del>	60	3,511,200

PROJECT: Replace 60 Family Housing units. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Mt Home AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. The replacement housing will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second vehicle. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping, playground, and recreation areas.

CURRENT SITUATION: This project replaces Capehart housing units which

8.87.41

5,712

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION	AND LOCATION	
MOUNTAIN HOME A	IR FORCE BASE, IDAHO	
4. PROJECT TITL	E 5. 1	PROJECT NUMBER

were constructed in 1959. These 36 year old houses are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Pavements are showing signs of failure due to settlement. Plumbing and electrical systmas are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Exterior storage is inadequate. There are no patios for outside living/entertaining. Heating and air conditioning systems require upgrade or replacement.

IMPACT IF NOT PROVIDED: Major morale problems will result because some people will continue to occupy substandard housing while neighbors and friends are in upgraded units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses for the base shows an on-base housing deficit. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement construction was found to be the most cost effective over the life of the project. However, since improvement costs exceed 70% of the replacement value, replacement was selected as the best option in accordance with current OSD and Congressional policy. Improvement costs represent 74% of updated FY95 Replacement costs.

QYZH955003

REPLACE FAMILY HOUSING

	ING JUSTIFICATION 1. DA	MDD)	HT		2. FISC/ 1995	VL YEAR		CONTRO LL (AR) 17	
AIR FORCE  DATA AS OF FEBRUARY  1993	4. REPORTING INSTALLA B. NAME MT HOME AIR FO		DAHO		b. LOCA		E , IDAHO		
	Ysis		CURREN	7	<del>!</del>		PRO.	ECTED	
****	OF	OFFICER			TOTAL	OFFICER	E9 -E4		TOTAL
REQUIREMENT	S AND ASSETS	(a)	<b>(b)</b>	(c)	(d)	( <b>•</b> )	(0)	(g)	(h)
TOTAL PERSONNEL	STRENGTH	372	2,244	589	3.205	424	2.432	639	3,4
PERMANENT PARTY	PERSONNEL	372	2,244	589	3,205	424	2,432	639	3,4
GROSS FAMILY HOU	SING REQUIREMENTS	260	1,702	167	2,129	297	1,844	182	2.3
TOTAL UNACCEPTAR	ILY HOUSED (a + b + c)	10	79	20	109				
a. INVOLUNTARILY S	EPARATED	0	0	0	0				
b. IN MILITARY HOUS DISPOSED/REPLA			0	0					
	HOUSED IN COMMUNITY	10	79	20	109				
. VOLUNTARY SEPAR	ATIONS	1 0	0	0		0	0	0	
. EFFECTIVE HOUSIN	G REQUIREMENTS	260	1,702	167	2,129	297	1.844	182	2,
HOUSING ASSETS	(a + b)	250	1,625	147	2,022	281	1.741	62	2.
a. UNDER MILITARY	CONTROL	144	1,151	137	1,432	144	1,288	0	1,
(1) HOUSED IN EX		144	1,151	137	1,432	144	1,288	0	1,
(2) UNDER CONT	RACT/APPROVED					0	0	0	
(3) VACANT		0	0	0	0				
(4) INACTIVE	And the state of t		0	0	0				
b. PRIVATE HOUSING	3	106	474	10	590	137	453	62	
(1) ACCEPTABLY	HOUSED	106	472	10	586	135	446	61	
(2) VACANT RENTA		0	2	0	2	2	7	1	
EFFECTIVE HOUSIN	G DEFICIT	10	77	20	107	16	103	120	
PROPOSED PROJEC							60		

1. COMPONENT		1005	<b>-</b> -	ADV GC		<b>W</b> ITC: '	DD66-	33.W	[3	2. DA	TE		
TD WODGE	FY	1995		ARY COI			PROGI	RAM					
AIR FORCE  3. INSTALLATI	'ON 110 T	001876		puter o	<del></del>				-+	E 20	DA CONC		
. INSTALLATI	ON AND L	OCATIC	)N			MMAND	<b></b>		- 1		EA CONS		
						MOBILI:	rı		Ì		ST INDE		
COTT AIR FOR	CE BASE,	_			COMM					1.14			
. PERSONNEL	•		PERMANI			TUDENT	<del></del>		PORT		<b>+</b>		
STRENGTH			ENL	CIV	OFF	ENL	CIV	OFF	ENL	+			
. As of 30 S				2992		202	I i	130	8	-	,		
. End FY 199	9		4163	<del></del>		4	1	130	8	B 27	9,42		
				ENTORY	DATA	(\$000	<u> </u>						
. Total Acre	•	-	137)							200 0			
. Inventory			•						•	328,0			
. Authorizat				_						32,7			
. Authorizat	-			-	-					30,0	_		
. Authorizat				_	-	am:	(FY )	(996)			0		
. Planned In			cogram	rears							0		
g. Remaining		ey:									0		
. Grand Tota				2027	·	005		4		390,7	66		
. PROJECTS R	EQUESTED	IN TH	IIS PRO	GRAM:	FY J	.995		-					
ATEGORY	220				_			COST			STATUS		
CODE	PROJ	ECT TI	TLE		2	COPE		<u>(\$000</u>	L i	START	CMPL		
11 140 000	100 B1VT	v nor	CTNO			300	FTAT	30.00	A 601	TOM P	BV.		
'11-142 REPL	ACE FAMIL	LI HOU	SING				_	30,00	_	JRN K	EI		
a. Future P	rojects:					TOTAL		30,00		363 37			
gency; Air W						COMMICI	11001				CGL		
enter; an ai eserve C-9 a	rlift win	ng (C- aeron	9, C-1 medical	F Envi 12 and 1 airl	conmer C-21 Lft gr	aircra coup;	echni aft); and a	cal A	ppli ir F	catio: orce	n <b>s</b>		
enter; an ai eserve C-9 a	rlift win	ng (C- aeron	9, C-1 medical	F Envi 12 and 1 airl	conmer C-21 Lft gr	tal To aircra coup; a	echni aft); and a	cal A	ppli ir F	catio: orce	n <b>s</b>		
enter; an ai eserve C-9 a	rlift win	ng (C- aeron	9, C-1 medical	F Envi 12 and 1 airl	conmer C-21 Lft gr	tal To aircra coup; a	echni aft); and a	cal A	ppli ir F	catio: orce	n <b>s</b>		
enter; an ai eserve C-9 a	rlift win	ng (C- aeron	9, C-1 medical	F Envi 12 and 1 airl	conmer C-21 Lft gr	tal To aircra coup; a	echni aft); and a	cal A	ppli ir F	catio: orce	n <b>s</b>		
Center; an ai Reserve C-9 a	rlift win	ng (C- aeron	9, C-1 medical	F Envi 12 and 1 airl	conmer C-21 Lft gr	tal To aircra coup; a	echni aft); and a	cal A	ppli ir F	catio: orce	n <b>s</b>		
Center; an ai leserve C-9 a center. Also	rlift win	ng (C- aeron	9, C-1 medical	F Envi 12 and 1 airl	conmer C-21 Lft gr	tal To aircra coup; a	echni aft); and a	cal A	ppli ir F	catio: orce	n <b>s</b>		

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE SCOTT AIR FORCE BASE, ILLINOIS REPLACE FAMILY HOUSING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) VDYD954003 30,000 8.87.41 711-142 9. COST ESTIMATES UNIT COST \$000) U/M QUANTITY COST ITEM 300 100,000 30,000 REPLACE FAMILY HOUSING (PHASE III) 30,000 SUBTOTAL 30,000 TOTAL CONTRACT COST 30,000 TOTAL REQUEST AREA COST FACTOR 1.14 10. Description of Proposed Construction: Replace Cardinal Creek Village family housing (Phase III) which are displaced as a result of construction of a commercial cargo runway at Scott Air Force Base, Illinois. This is a DoD and St. Clair County jointly funded project, and executed by St. Clair County. NET PROJECT \$/ NO. UNITS TOTAL COST UNIT TYPE **AREA** FACTOR NSF SNCO 4BR 1443 1.05 66 300 29,999,970 300 29,999,970 11. PROJECT: Replace Cardinal Creek Village family housing (Phase III). (Current Mission) REQUIREMENT: As directed by House Appropriations Committee (HAC) in the FY94 HAC Report (103-136), the AF new construction program includes a request of \$30 Million to complete the Cardinal Creek Village family housing replacement project. Congress authorized a total of \$60 Million in FY93, and appropriated \$20 Million and \$10 Million respectively in FY93 and FY94 for the project. The remaining \$30 Million was directed to be funded in FY95.

CURRENT SITUATION: As part of an agreement made between the AF and St. Clair County for the joint use of runway at Scott AFB, the County will relocate and replace Cardinal Creek Village family housing to current DoD standards at a mutually agreed site near the base. Since non-federal interest must share in the replacement cost, Congress authorized the obligation and transfer to the county of the funds authorized and appropriated for the replacement of Cardinal Creek Village family housing.

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
	CON AND LOCATION  RCE BASE, ILLINOIS	
4. PROJECT TO REPLACE FAMIL	TLE 5.	PROJECT NUMBER VDYD954003

(\$10 Million) funds to St. Clair County.

IMPACT IF NOT PROVIDED: An additional deficit of 1,068 units will result if Cardinal Creek Village family housing is not replaced. This will compound the deficit problem. The base currently has an existing deficit of 572 units based on housing market analysis completed March, 1993.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

The AF is in the process of transferring the FY93 (\$20 Million) and FY94

MILITARY FAMILY HOUS		1. DATE OF REPO	HT		2. FISC	AL YEAR		CONTRO	
DOD COMPONENT	4. REPORTING INST				- 1000		, 00 K		
AIR FORCE	a. NAME	/445/1/10/1			Ib. LOC	TION			
5. DATA AS OF	scon				15. 255	BELLEVIL	LE		
MARCH, 1993	AIR FORCE	DAGE				ILLINOIS			
	LYSIS	DAGE	CURREN	<del></del>	<u> </u>	I ILDINOIS	DDO	JECTED	
	OF	OFFICER			TOTAL	OFFICER	E9 -E4		TOTAL
			:		1		1		
	TS AND ASSETS	(0)	(b)	(c)	(4)	(•)		(g)	(6)
6. TOTAL PERSONNEL	STRENGTH						l		
		2,346	3,855	627	6,828	2,517	3,707	612	6,8
7. PERMANENT PARTY	PERSONNEL	i i							
		2,346	3,855	627	6,828	2,517	3,707	612	6,8
8. GROSS FAMILY HOU	ISING REQUIREMENTS								
	_	1,891	2,966	194	5,051	2,025	2,847	190	5,00
D. TOTAL UNACCEPTAL	BLY HOUSED (a + b +	· c)							
		180	465	22	667				
a. INVOLUNTARILY	SEPARATED			· · · · · · · · · · · · · · · · · · ·					
u. IIIVOEDIVIATEI (	20,7000	15	13	1 1	29				
b. IN MILITARY HOU	CINIO TO BE		<u></u>	<del></del>					
DISPOSED/REPLA		ه ا	0		ه ا				
	HOUSED IN COMMUNITY			<del>├──</del>					
C. UNACCEPTABLY	HOUSED IN COMMON 1	165	452	21	638				
		100	432		030	· · · · · · · · · · · · · · · · · · ·			
O. VOLUNTARY SEPAR	ATIONS	47		_ ا		l		7	4.5
			102	6	155	50	96		15
11. EFFECTIVE POUSIN	G REQUIREMENTS								
		1,844	2,864	188	4,896	1,975	2,751	183	4,90
2. HOUSING ASSETS	(a + b)			Ì					
		1,717	2,442	169	4,328	1,831	2,354	152	4,33
a. UNDER MILITARY	CONTROL			i	[			[	
		306	1,314	78	1,698	312	1,366	0	1,60
(1) HOUSED IN E	XISTING DOD								
OWNED/CON	TROLLED	306	1,314	78	1,698	312	1,366	0	1,66
(2) UNDER CONT	RACT/APPROVED								
							i o	0	
(3) VACANT	<del></del>								
(4)		اها	0	o	o				
(4) INACTIVE				· · · ·	<b></b>				
(4) 114001145		اه ا	0	0	٥				
b. PRIVATE HOUSIN	6	<del>-</del>							
B. PHIVATE HOUSIN	G	1,411	1,128	91	2.630	1,519	968	152	2.63
(1) ACCEPTABLY	LIGUES	1,911	1,120		2,000	1,519	\$00	1,02	۵,۷
(1) ACCEPTABLY	HOOSED		4 000	89	0.500				
(0) 100555:5:5	VI 011 7 PE1711	1,373	1,098	89	2,560				
(2) ACCEPTABLE	VACANT HENTAL				l				
		38	30	2	70				
3. EFFECTIVE HOUSIN	G DEFICIT								
		127	422	19	568	144	397	31	57
4. PROPOSED PROJEC	<b>a</b>								
						'	300		30

15. REMARKS (SPECIFY ITEM NUMBER)

ITEM 6-13. BASIC DATA WERE EXTRACTED FROM HOUSING MARKET ANALYSIS MARCH 1993.

. COMPONENT	<b>9</b> V	1005	MTT TW	ARY COI	Verbii.	יייין איי	מאספ	) A M		2.	DAT	E
IR FORCE	FI	4333		puter (				van.				
. INSTALLATIO	N AND LO	CATIO			·	DIMMAND				5.	ARE	A CONS
					AIR N	OBILI1	ΓY			1	cos	T INDE
CCONNELL AIR	FORCE BA	SE, I	KANSAS		COMMA	AND				1	0.	99
. PERSONNEL		1	PERMANI	ent	SI	TUDENTS	5	SUI	PPOR'	TED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	EN	L C	IV	TOTAL
. As of 30 SE	₽ 93 Т	375	2687	360		88						3,51
. End FY 1999		438	2808	371							10	3,62
	<u> </u>			ENTORY	DATA	(\$000)						
. Total Acrea	•		103)									
. Inventory T										283	-	
. Authorizati											,71	
. Authorizati	-			-	-					8	, 32	
. Authorizati				_	-	am: (	(FY ]	1996)				0
. Planned In			rogram	Years	:							0
. Remaining D		y:								200		0
. Grand Total		TN =-	170 55	VP3***	pv ·	905		-		309	, 88	<b>5</b>
. PROJECTS RE	QUESTED	IN TE	IIS PRO	JGKAM:	FI 1	775		cost		n Pet	en.	CTATIIC
ATEGORY	DDA TR		rm7 13			COPE			-	STA		STATUS CMPL
CODE	PROJE	.C1 13	IIDB		=	COPE		(\$000	<u>,,</u>	SIM		CAPL
		v 1101				70	UN	8,32	22 1	TURN	r P	Y
11_1 <i>4</i> 2 DEDIA			ICTNC									•
11-142 REPLA	CE FAMIL	i not	JSING				_		_		I/C	
a. Future Pr b. Future Pr	ojects:	Incl	luded i	lanned	Next	TOTAL: owing E	Progr Year	8,32 am (1	2 PY 19	996)	NO	
a. Future Pr b. Future Pr 0. Mission o	ojects: ojects: r Major	Inc.	luded ical Pi	An a	Next ir ref	TOTAL: owing F Three ueling	Progr Year	8,32 am (1 s:	22 PY 19 2-13!	996) 5 ai:	NO	aft);
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft);
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft);
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft);
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft);
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft);
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft);
b. Future Pr	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I cs: ng (KC nd an	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft);
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I cs: ng (KC nd an	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I cs: ng (KC nd an	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I cs: ng (KC nd an	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft); al
a. Future Prob. Future Prob. Mission on Air Combat	ojects: ojects: r Major Command	Incl Typi Funct	iuded i ical Pl ions: squadi	An airon (B-	Next ir ref -1 air	TOTAL: owing E Three (ueling craft)	Progr Year y wir	8,32 cam (I cs: ng (KC nd an	22 PY 19 2-13! Air	996) 5 ai: Nat:	NO rcr ion	aft);

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE REPLACE FAMILY HOUSING MCCONNELL AIR FORCE BASE, KANSAS 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(5000) 711-142 PRQE959013 8,322 9. COST ESTIMATES UNIT COST U/M QUANTITY ITEM COST (5000) REPLACE FAMILY HOUSING, PHASE 1 UN 65,494 4,585 SUPPORTING FACILITIES 2,928 SITE PREPARATION LS (420)( 228) ROADS AND PAVING LS UTILITIES LS 350) LS LANDSCAPING AND NEIGHBORHOOD IMPROVMNT 114) \_s RECREATION 80) LS GARAGES, STORAGE, TORNADO SHELTERS (1,219)DEMOLITION (INCLUDES ASBESTOS & LBP) LS 518) SUBTOTAL 7,513 CONTINGENCY (5%) 376 TOTAL CONTRACT COST 7,889 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 434 TOTAL REQUEST 8,322 AREA COST FACTOR

10. Description of Proposed Construction: Replace 70 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. All required support, to include parking, air conditioning, garages, pavements, patios, privacy fencing, tornado shelters, neighborhood playgrounds, and recreation areas. Asbestos and lead base paint removal.

.92

		NET	PROJECT	\$/	NO.	
UNIT	TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO	2BR	950	.91	55	11	523,023
SNCO	3BR	1350	.91	55	32	2,162,160
SNCO	4BR	1450	.91	55	12	870,870
CGO	3BR	1350	.91	55	12	810,810
CGO	4BR	1450	.91	<u>55</u>	3_	217,718
	<del></del> _				70	4,584,581

PROJECT: Replace 70 Family Housing units. (Current Mission) REQUIREMENT: This project is required to provide adequate Military Family Housing to support military members and their families assigned to McConnell AFB. All units will meet "whole-house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. There are a total of 487 units that will be upgraded or replaced in this multi-phased initiative. The replacement housing will provide a modern kitchen, living room, family room, and bath configuration, with ample

1. COMPONENT		2. DATE
1	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATION A	ND LOCATION	

MCCONNELL AIR FORCE BASE, KANSAS

4. PROJECT TITLE

5. PROJECT NUMBER

REPLACE FAMILY HOUSING

PRQE959013

interior and exterior storage and a single car garage. Exterior parking will be provided for a second vehicle. The basic neighborhood support structure will be upgraded to meet modern housing needs. Neighborhood enhancements include landscaping and recreation areas. Construction must include tornado shelters for occupant safety.

CURRENT SITUATION: This project replaces Capehart housing units which are over 36 years old and are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. "Whole house" renovation costs exceed 80% of replacement costs. The only feasible option for providing adequate housing is to demolish the existing units and construct replacement housing. Concrete carport pads and walks are cracking and heaving, and carport support posts are rotting. The exterior brick veneer is cracking due to foundation failure. Settlement has allowed termite intrusion, and extensive termite damage is evident. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated. Bathroom plumbing and fixtures require replacement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Lighting systems throughout the houses are inefficient and do not meet modern needs. Off street parking is severely limited causing traffic congestion. Traffic flow in and around the housing area is inefficient. The units contain asbestos and lead paint which can be a health hazardous to the occupants. IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, substandard and unsatisfactory housing. This housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows a deficit of over 632 units. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project. Improvement costs exceed 80% of updated FY95 replacement estimates.

	DATE OF REPO MMDD)	ORT		2. FISC. 1995	AL YEAR	_	CONTRO SL (AR) 17	-
3. DOD COMPONENT 4. REPORTING INSTALL	ATION							
AIR FORCE a. NAME				b. LOC	TION			
5. DATA AS OF MCCONNEL AI	R FORCE BAS	E. KANSA	S	ł	WICHITA.	KANSAS		
NOVEMBER 1992				1	'			
ANALYSIS		CURREN	7		7	990	ECTED	
	OFFICER		E3 - E1	TOTAL	OFFICER		<del></del>	TOTAL
OF								
REQUIREMENTS AND ASSETS	(a)	<u>(b)</u>	(c)	(d)	(•)	0	(9)	<u>(N)</u>
6. TOTAL PERSONNEL STRENGTH					i			
	418	2,082	578	3,078	378	1,884	522	2,76
7. PERMANENT PARTY PERSONNEL					I			
	418	2,082	578	3,078	378	1,884	522	2,70
8. GROSS FAMILY HOUSING REQUIREMENTS			1			[		
	318	1.635	196	2.149	286	1,606	191	2.06
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)								
S. TOTAL DIRECTPUED TO TOTAL	15	503	91	509				
	- "	- 300	-					
a. INVOLUNTARILY SEPARATED		i _	_	l _				
	0	5	2					
b. IN MILITARY HOUSING TO BE				Ĭ				
DISPOSED/REPLACED	0	0	0	0				
C. UNACCEPTABLY HOUSED IN COMMUNITY		Ī -		T				
	15	498	89	602				
10. VOLUNTARY SEPARATIONS	<del></del>							
10. VULUNIANT SCPANATIONS			. م	٠		25	4	30
	1	26	4	31		23	-	
11. EFFECTIVE HOUSING REQUIREMENTS								
	317	1,609	192	2,118	267	1,583	167	2,05
12. HOUSING ASSETS (a + b)								
	308	1,233	103	1,644	272	1,069	84	1,42
a. UNDER MILITARY CONTROL								
	96	493	0	589	96	493	· ol	581
(1) HOUSED IN EXISTING DOD								
OWNED/CONTROLLED	95	493	0	589	96	493	0	580
(2) UNDER CONTRACT/APPROVED		740		000	- 50	- 111		
(2) UNDER CONTRACTIAFFROVED							اہا	
					0	0	0	
(3) VACANT	1	1						
	11	7	0	8				
(4) INACTIVE		_						
• •	1 0	0	0	0				
b. PRIVATE HOUSING								
	212	740	103	1.055	176	576	84	83
(1) ACCEPTABLY HOUSED		<del> </del>		-,,				
(I) ACCEPTABLE HOUSED			ا مود			564	82	81
	207	722	101	1,030	172	564	92	- 01
(2) ACCEPTABLE VACANT RENTAL	_	_	_	ا ا		,_	_ [	_
	5	18	2	25	4	12	2	1
13. EFFECTIVE HOUSING DEFICIT								
·	9	376	89	474	15	514	103	63
14. PROPOSED PROJECT							1	
· · · · · · · · · · · · · · · · · · ·					15	55	1	7

15. REMARKS (SPECIFY ITEM NUMBER)

ITEMS 6-13: INFORMATION REPORTED IN THIS TABLE ARE TAKEN FROM THE HOUSING MARKET ANALYSIS DATED NOVEMBER 1992

1. COMPONENT	1995 MILITA	ARY COL	ISTRIC	י עמודי	2000	DAM .		2. DAT	E
AJR FORCE		puter o			ROGI	-			
. INSTALLATION AND L				MMAND				5. ARE	A CUNS
BARKSDALE AIR FORCE B	ASE,		Į.				- 1	cos	T INDE
LOUISIANA	•						1	0.	84
6. PERSONNEL	PERMANI	ENT	ST	UDENTS	5	SUP	PORT	ED	
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
. As of 30 SEP 93	907 4789	1092		509		1		6	7,30
. End FY 1999	955 4955		t			38	36	2 12	7,57
	7. INV	ENTORY	DATA	(\$000)					
a. Total Acreage: (	22,382)								
. Inventory Total As		EP 93)						218,00	5
. Authorization Not	Yet In Inve	ntory:						34,74	0
l. Authorization Requ			gram:					8,23	6
. Authorization Incl	uded In Fol:	lowing	Progr	am: (	(FY 1	996)			0
f. Planned In Next Th	ree Program	Years	:						0
. Remaining Deficien	cy:								0
. Grand Total:	-							260,98	1
. PROJECTS REQUESTED	IN THIS PRO	OGRAM:	FY 1	995					
ATEGORY						COST	D	ESIGN	STATUS
CODE PROJ	ECT TITLE		S	COPE		(\$000	) [	START	CMPL
			_				_ `		
11-142 REPLACE FAMI	LY HOUSING			82	UN	8,23	<u>6</u> T	URN KE	Y
				TOTAL:	3	8,23	6		
a. Future Projects:	Included	in the	Follo	wing F	rogi	am (F	Y 19	96) NO	NE
b. Future Projects:	Typical P.	lanned	Next	Three	Year	:8:			
perations group (KC- ighter wing (A-10 an			-						d
C-10 associate air r		-	,				9	- <b>F</b> ,	
C-10 appointed air r	eraerring gro	oup.							

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

8,236

BARKSDALE AIR FORCE BA'E, LOUISIANA REPLACE FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

9. COST ESTIMATES

8.87.41 711-142 AWUB955101

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING (PHASE 2)	UN	82	63,113	5,175
SUPPORTING FACILITIES				2,260
SITE PREPARATION	LS			( 200)
ROADS AND PAVING	LS			( 348)
UTILITIES	LS			( 370)
LANDSCAPING AND NEIGHBORHOOD IN PROVMNT	LS			( 140)
RECREATION	LS			( 124)
GARAGES AND STORAGE	LS			( 586)
ARCHITECTURAL COMPATIBILITY	LS			(492)
SUBTOTAL	1 1	' J		7,435
CONTINGENCY (5%)		Ī		372
TOTAL CONTRACT COST				7,807
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		ĺ		429
TOTAL REQUEST		1		8,236

10. Description of Proposed Construction: Replace 41 duplex Military Family Housing units with all necessary supporting facilities including: demolition, garages, patios, fencing, utilities, air conditioning, appliances, exterior storage, site preparation, roads, parking, sidewalks, basketball court, playground, tot lots, pavilion, trails, recreational vehicle storage, landscaping, and all other necessary support facilities.

.86

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	nsf	UNITS	TOTAL COST
JNCO 4BR	1350	.85	55	42	2,650,725
SNCO 3BR	1350	.85	55	15	946,688
CGO 3BR	1350	85	55	25	1,577,813
	<del></del>			82	5,175,226

11. PROJECT: Replace 41 duplex Family Housing units. (Current Mission)
REQUIREMENT: This project is required to provide modern and efficient
replacement housing for military members and their dependents stationed at
Barksdale AFB. All units will meet "whole house" standards and are
programmed in accordance with the Housing Community Plan. This is the
second of multiple phases to provide adequate housing for base personnel.
Replacement housing will provide a safe, comfortable, and appealing living
environment comparable to the off-base civilian community. The units will
provide a modern kitchen, living room, family room, and bath
configuration, with ample interior and exterior storage and a single car
garage. Exterior parking will be provided for a second vehicle. The
neighborhood support infrastructure will be upgraded to meet modern
housing needs. Neighborhood enhancements will include landscaping,

AREA COST FACTOR

AIR FORCE	FY 1	.995 MILITARY (compu	CONSTRUCTION		ra	2. Di	\TE
3. INSTALLATION	ON AND L	OCATION					
BARKSDALE AIR	FORCE B	ASE, LOUISIAN	'A				
4. PROJECT TI	TLE			-	5. PF	OJECT	NUMBER
					ļ		

playgrounds, and recreation areas. This project is programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: This initiative replaces Wherry housing units which were declared uninhabitable due to condition and have already been demolished. The result is a severe shortage of housing on the base. According to the most recent Housing Market Analysis, a substantial number of families are unsuitably housed. Investigations determined that these families either live in housing below DoD standards, or in housing meeting DoD standards BUT exceeding their maximum housing allowance. The base has a deficit of 1486 units.

IMPACT IF NOT PROVIDED: The base will continue to have a shortage of on-base housing which forces families to live in unsuitable off-base housing which exceeds allowances and causes financial hardship.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of replacement construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost effective over the life of the project. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

REPLACE FAMILY HOUSING

AWUB955101

AIR FORCE	IILITARY FAMILY HOUSING JUSTIFICATION	(YYMMDD)	AT		2. FISC/ 1995	NL YEAR		CONTRO LL (AR) 17	
CURRENT	AIR FORCE 8. NAME DATA AS OF BARKS		E, LOUISI	ANA	b. LOCA		PORT, LO	JISIANA	
OFFICER   E9-E4   E3-E1   TOTAL   E9-E4   E3-E1   TOTAL   E9-E4   E3-E1   TOTAL		· · · · · · · · · · · · · · · · · · ·	CURREN	7	<u> </u>		PRO.	ECTED	
REQUIREMENTS AND ASSETS (e) (b) (c) (d) (ee (f) (g) (b) TOTAL PERSONNEL STRENGTH 1,036 3,670 1,006 5,712 893 3,330 1,326 5 PERMANENT PARTY PERSONNEL 1,036 3,670 1,006 5,712 893 3,330 1,326 5 GROSS FAMILY HOUSING REQUIREMENTS 819 2,935 353 4,107 703 2,659 459 3 TOTAL UNACCEPTABLY HOUSED (a + b + c) 138 1,002 171 1,311  a. INVOLUNTARILY SEPARATED 4 4 4 5 13 b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED 0 0 0 0 0 0 0 0 0 UNACCEPTABLY HOUSED IN COMMUNITY 134 999 166 1,296  EFFECTIVE HOUSING REQUIREMENTS 8 132 16 156 8 120 22  EFFECTIVE HOUSING REQUIREMENTS 8 11 2,803 337 3,951 695 2,539 437 3  HOUSING ASSETS (a + b) 592 1,844 171 2,807 578 1,433 174 2  a. UNDER MILITARY CONTROL 105 324 0 429 105 324 0  (2) UNDER CONTROLLED 0 0 0 0  (3) VACANT 0 0 0 0  (4) INACTIVE 0 0 0 0  (5) PRIVATE HOUSING 457 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED 476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL 11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT 219 959 166 1,344 117 1,106 263 1		OFFICER			TOTAL	OFFICER			TOTA
TOTAL PERSONNEL STRENGTH  1,036 3,670 1,006 5,712 893 3,330 1,326 9  PERMANENT PARTY PERSONNEL  1,036 3,670 1,006 5,712 893 3,330 1,326 9  GROSS FAMILY HOUSING REQUIREMENTS  819 2,935 353 4,107 703 2,659 459 3  TOTAL UNACCEPTABLY HOUSED (a + b + c)  138 1,002 171 1,311  a INVOLUNTARILY SEPARATED  4 4 5 13  b. IN MILITARY HOUSING TO BE  DISPOSED/REPLACED  0 0 0 0  c. UNACCEPTABLY HOUSED IN COMMUNITY  134 998 166 1,298  VOLUNTARY SEPARATIONS  8 132 16 156 8 120 22  EFFECTIVE HOUSING REQUIREMENTS  8 113 2,603 337 3,961 696 2,539 437 3  HOUSING ASSETS (a + b)  592 1,844 171 2,607 578 1,433 174 2  a. UNDER MILITARY CONTROL  (1) HOUSED IN EXISTING DOD  OWNED/CONTROLLED  (2) UNDER CONTRACT/APPROVED  (3) VACANT  0 0 0 0  0 0  0 0 0  (4) INACTIVE  0 0 0 0  0 0 0  0 0 0  174 1  175 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED  476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL  11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1	<del>_</del> ,	10			1				
1,036    3,670    1,006    5,712    893    3,330    1,328    5	TOTAL PERSONNEL STRENGTH			1 1	1 1 1	<del>- ''</del> -			
1,036   3,670   1,006   5,712   893   3,330   1,326   5	10 INE   Eligorial Eligorial	1,036	3,670	1,006	5,712	893	3,330	1,328	5
TOTAL UNACCEPTABLY HOUSED (a + b + c)   138   1,002   171   1,311	PERMANENT PARTY PERSONNEL								
Sign   2,835   353   4,107   703   2,859   459   3   3   3   3   3   3   3   3   3			3,670	1,006	5,712	893	3,330	1,326	5
138   1,002   171   1,311	GROSS FAMILY HOUSING REQUIREM	ENTS		ĺ	I				
138   1,002   171   1,311   1,311   1,311   1,311   1,411			2,935	353	4,107	703	2,659	459	3
a INVOLUNTARILY SEPARATED  b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED  c. UNACCEPTABLY HOUSED IN COMMUNITY  134 998 166 1,298  VOLUNTARY SEPARATIONS  8 132 16 156 8 120 22  EFFECTIVE HOUSING REQUIREMENTS  811 2,803 337 3,951 695 2,539 437 3  HOUSING ASSETS (a + b)  592 1,844 171 2,607 578 1,433 174 2  a. UNDER MILITARY CONTROL  105 324 0 429 105 324 0  (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED  105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED  (3) VACANT  0 0 0 0  0 0  13) VACANT  0 0 0 0  0 0  0 0 0  14 INACTIVE  0 0 0 0 0  17 1 2,178 473 1,109 174 11  (1) ACCEPTABLY HOUSED  476 1,485 166 2,127 461 1,075 167 1  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1	TOTAL UNACCEPTABLY HOUSED (a -								
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED  c. UNACCEPTABLY HOUSED IN COMMUNITY  134 998 166 1,298  VOLUNTARY SEPARATIONS  8 132 16 156 8 120 22  EFFECTIVE HOUSING REQUIREMENTS  811 2,803 337 3,851 695 2,539 437 3  HOUSING ASSETS (a + b)  592 1,844 171 2,807 578 1,433 174 2  a. UNDER MILITARY CONTROL  105 324 0 429 105 324 0  (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED  105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED  (3) VACANT  (4) INACTIVE  0 0 0 0  D PRIVATE HOUSING  487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLE VACANT RENTAL  11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1	· · · · · · · · · · · · · · · · · · ·	138	1,002	171	1,311				
D. IN MILITARY HOUSING TO BE   DISPOSED/REPLACED   DISPOSED   DISPOSED/REPLACED   DISPOSED   DISPOSED   DISPOSED/REPLACED   DISPOSED/REPLACED   DISPOSED/REPLACED   DISPOSED/REPLACED   DISPOSED   DISPOSED/REPLACED   DISPOSED   DISPOSED/REPLACED   DISPOSED   D	a. INVOLUNTARILY SEPARATED			_					
DISPOSED/REPLACED  C. UNACCEPTABLY HOUSED IN COMMUNITY  134 998 166 1,298  VOLUNTARY SEPARATIONS  8 132 16 156 8 120 22  EFFECTIVE HOUSING REQUIREMENTS  811 2,803 337 3,951 695 2,539 437 3  HOUSING ASSETS (a + b)  592 1,844 171 2,807 578 1,433 174 2  a. UNDER MILITARY CONTROL  105 324 0 429 105 324 0  (1) HOUSED IN EXISTING DOD  OWNED/CONTROLLED  105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED  (3) VACANT  0 0 0 0  (4) INACTIVE  0 0 0 0  b. PRIVATE HOUSING  467 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED  476 1,455 166 2,127 461 1,075 167 1  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1		4	4	5	13				
C. UNACCEPTABLY HOUSED IN COMMUNITY  134 998 166 1,298  VOLUNTARY SEPARATIONS  8 132 16 156 8 120 22  EFFECTIVE HOUSING REQUIREMENTS  811 2,803 337 3,951 695 2,539 437 3  HOUSING ASSETS (a + b)  592 1,844 171 2,607 578 1,433 174 2  a. UNDER MILITARY CONTROL  105 324 0 429 105 324 0  (1) HOUSED IN EXISTING DOD  OWNED/CONTROLLED  105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED  (3) VACANT  0 0 0 0  (4) INACTIVE  0 0 0 0  D. PRIVATE HOUSING  487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED  476 1,495 166 2,127 461 1,075 167 1  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1				ŀ					
VOLUNTARY SEPARATIONS  8 132 16 156 8 120 22  EFFECTIVE HOUSING REQUIREMENTS  811 2,803 337 3,951 696 2,539 437 3  HOUSING ASSETS (a + b) 592 1,844 171 2,807 578 1,433 174 2  a. UNDER MILITARY CONTROL 105 324 0 429 105 324 0  (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED 105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED 0 0 0 0  (3) VACANT 0 0 0 0 0  (4) INACTIVE 0 0 0 0 0  b. PRIVATE HOUSING 467 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED 476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL 11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT 219 959 166 1,344 117 1,106 263 1	DISPOSED/REPLACED		0		0				
VOLUNTARY SEPARATIONS   8   132   16   156   8   120   22	C. UNACCEPTABLY HOUSED IN COMMU								
S   132   16   156   8   120   22		134	998	166	1,298				
## HOUSING ASSETS (a + b)  ## BIT 2,803 337 3,951 695 2,539 437 3  ## BIT 2,807 578 1,433 174 2  ## BIT 2,807 578 1,433 174 2  ## BIT 2,807 578 1,433 174 2  ## BIT 2,807 578 1,433 1,433 174 2  ## BIT 2,807 578 1,433 1,433 174 2  ## BIT 2,807 578 1,433 1,433 174 2  ## BIT 2,807 578 1,433 1,433 1,433 1,433 1,433 1,434	VOLUNTARY SEPARATIONS				:				
B11   2,803   337   3,951   695   2,539   437   3			132	16	156	8	120	22	
## HOUSING ASSETS (a + b)  a. UNDER MILITARY CONTROL  105 324 0 429 105 324 0  (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED  105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED  (3) VACANT  0 0 0 0  (4) INACTIVE  0 0 0 0  b. PRIVATE HOUSING  487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED  476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL  11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1	EFFECTIVE HOUSING REQUIREMENT				l				_
a. UNDER MILITARY CONTROL  105 324 0 429 105 324 0  (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED  105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED  (3) VACANT  0 0 0 0  (4) INACTIVE  0 0 0 0  b. PRIVATE HOUSING  487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED  476 1,485 166 2,127 461 1,075 167 1  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1		811	2,803	337	3,951	695	2,539	437	3
a. UNDER MILITARY CONTROL  105 324 0 429 105 324 0  (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED  105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED  (3) VACANT  0 0 0 0  (4) INACTIVE  0 0 0 0  b. PRIVATE HOUSING  487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLE VACANT RENTAL  (2) ACCEPTABLE VACANT RENTAL  11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1	HOUSING ASSETS (a + b)		4 844				4 400	ا محم	
105   324   0   429   105   324   0		582	1,044	1/1	2,607	5/8	1,433	1/4	
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED 105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED 0 0 0 0  (3) VACANT 0 0 0 0 0  (4) INACTIVE 0 0 0 0 0  b. PRIVATE HOUSING 487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED 476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL 11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT 219 959 166 1,344 117 1,106 263 1	a. UNDER MILITARY CONTROL	100	204		400		204	اما	
OWNED/CONTROLLED  105 324 0 429 105 324 0  (2) UNDER CONTRACT/APPROVED  0 0 0 0  (3) VACANT  0 0 0 0  (4) INACTIVE  0 0 0 0  b. PRIVATE HOUSING  487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED  476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL  11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT  219 959 186 1,344 117 1,106 263 1		100	324	- 0	409	100	324	- 0	
(2) UNDER CONTRACT/APPROVED  (3) VACANT  0 0 0 0  (4) INACTIVE  0 0 0 0  b. PRIVATE HOUSING  487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED  476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL  11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1	· · · · · · · · · · · · · · · · · · ·	105	324	_ ^	420	105	924	اما	
(3) VACANT  0 0 0 0  (4) INACTIVE  0 0 0 0  b. PRIVATE HOUSING  487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED  476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL  11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1	/3/ I NINED CONTRACT/ADDONACO	100	- 324		763	100	324	<b>├</b> ──~	
(3) VACANT  0 0 0 0  (4) INACTIVE  0 0 0 0  b. PRIVATE HOUSING  487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED  476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL  11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT  219 959 166 1,344 117 1,106 263 1	(2) UNDER CONTRACT/AFFROYED					n	ام ا	اما	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(3) VACANT								
(4) INACTIVE 0 0 0 0 0  b. PRIVATE HOUSING 487 1,520 171 2,178 473 1,109 174 1  (1) ACCEPTABLY HOUSED 476 1,485 166 2,127 461 1,075 167 1  (2) ACCEPTABLE VACANT RENTAL 11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT 219 959 186 1,344 117 1,106 263 1	(a) Autoniai	اه ا	٥	0	اه ا				
Document	(4) INACTIVE	<del>-</del>							
487   1,520   171   2,178   473   1,109   174   1   1   1   1   1   1   1   1   1	(i) natative	اه ا	0	0	0				
487   1,520   171   2,178   473   1,109   174   1   1   1   1   1   1   1   1   1	b. PRIVATE HOUSING								
(1) ACCEPTABLY HOUSED 476 1,485 166 2,127 461 1,075 167 1 (2) ACCEPTABLE VACANT RENTAL 11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT 219 959 186 1,344 117 1,106 263 1		487	1.520	171	2.178	473	1.109	174	1
476   1,485   166   2,127   461   1,075   167   1	(1) ACCEPTABLY HOUSED		-,	• • • • • • • • • • • • • • • • • • • •			-,,,,,,,	1,1,1	
(2) ACCEPTABLE VACANT RENTAL  11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT  219 959 186 1,344 117 1,106 263 1	\'\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	476	1.485	166	2.127	461	1.075	167	1
11 35 5 51 12 34 7  EFFECTIVE HOUSING DEFICIT 219 959 186 1,344 117 1,106 263 1	(2) ACCEPTABLE VACANT RENTAL								
219 959 166 1,344 117 1,106 263 1	(-)	11	35	5	51	12	34	7	
	EFFECTIVE HOUSING DEFICIT								
PROPOSED PROJECT		219	959	166	1,344	117	1,106	263	1
	PROPOSED PROJECT								

15. REMARKS (SPECIFY ITEM NUMBER)

ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM THE HOUSING MARKET ANALYSIS DATED JULY 1991

1. COMPONENT			2. DATE
	FY 1995 MILITARY CO	NSTRUCTION PROJECT DATA	
AIR FORCE	(compute	r generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	

CONSTRUCT HOUSING MANAGEMENT

WHITEMAN AIR FORCE BASE, MISSOURI OFFICE 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)

8.87.41 610-119 YWHG941004

1 33 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	<del></del>							
9. COST ESTIMATES								
			UNIT	COST				
ITEM	א/ט	QUANTITY	COST	(\$000)				
CONSTRUCT HOUSING MANAGEMENT OFFICE	SF	3,605	110	397				
SUPPORTING FACILITIES		J		114				
DEMOLITION	LS			(7)				
SITE IMPROVEMENTS	LS			(11)				
UTILITIES	LS			( 30)				
PAVEMENTS	LS	ĺ		(16)				
SYSTEMS FURNISHINGS	WS	10	4,000	(40)				
LANDSCAPING	LS			(_10)				
SUBTOTAL				511				
CONTINGENCY (5%)				_26				
TOTAL CONTRACT COST	1			537				
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				_30				
TOTAL REQUEST	1 1			567				
				1				
				ļ				
AREA COST FACTOR 1.11								

10. Description of Proposed Construction: Construct office including foundation; frame construction; HVAC system; parking lot with paved access; sidewalks; lighting; landscaping; entrance foyer; conference room; semiprivate areas; private offices for the Housing Manager, Assistant, and Facilities Chief; children's playroom; break area; and an exterior playground area. This project includes demolition of existing building. Air Conditioning: 10 Tons.

11. REQUIREMENT: 3,605 SF ADEQUATE: 0 SUBSTANDARD: 1,656 SF PROJECT: Construct Housing Management Office. (Current Mission) REQUIREMENT: Provide administrative and counseling space for the management of 978 housing units. Must be conveniently located for accessability by housing occupants and newly arriving personnel. Must include space for private counseling, offices, lounge/waiting area, conference room, and play area for children of parents awaiting service by housing personnel. Facility must also have adequate parking and include provisions for access by the handicapped. Connection of WIMS equipment to the Defense Data Network (DDN) is required.

CURRENT SITUATION: This 30-year old wooden structure has insufficient office space to accommodate the functions of the Housing Management Office. The waiting area has a capacity to hold only six people. The one existing private office is too small to be effectively used as an office or counseling area. The Referral Officer does not have a private office, and the remaining office areas do not provide sufficient space for assigned personnel. Storage is also grossly inadequate for supplies. There is no activity area for children. Paved off-street parking is not available, and on-street parking is limited. The existing inadequate facility will be demolished as a part of this project.

567

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT D	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI	
4. PROJECT TITLE	5. PROJECT NUMBER
CONSTRUCT HOUSING MANAGEMENT OFFICE	YWHG941004

IMPACT IF NOT PROVIDED: Service to the 3,390 military personnel who process through and utilize the Housing Management Office will continue to be hampered by an inadequate facility. While every effort will be made to provide quality support to all personnel, the crowded space in which to greet and process individuals will severely limit the ability to provide desired service. The facility appearance and crowded conditions also give an extremely poor impression of the base to new arrivals.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

AIR FORCE	COMPONENT  FY 1995 MILITARY CONSTRUCTION PROGRAM								2	2. DATE		
	FI 1	レブブラ					- RUGP	····				
THEMSTIAMION	generated) 4. COMMAND					ADI	A CONS					
3. INSTALLATION AND LOCATION				٦. ۵	THE STATE OF			اء		ET INDE		
				ATD C	OMBAT	COMP	(AND	ļ				
ANNON AIR FORCE BASE, NEW MEXICO PERSONNEL PERMANENT						UDENTS			PORTE	0.95		
STRENGTH	+	OFF		CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
. As of 30 SEP	。。 +	541				17		1	1	<u> </u>	5,23	
. End FY 1999	, ,,		4501			17		i	1		5,59	
. End FI 1999			. INV				, , , , , , , , , , , , , , , , , , ,	41			3,33	
. Total Acreas	3e: (		18)	MIONI	DAIA	(\$000						
. Inventory To	•	•	•	P 931					11	32,31	2	
. Authorization									•	4,10		
. Authorizatio					Tram.					23		
. Authorizatio						am.	PV 1	9961			0	
. Planned In N				_	_	<b>CLI.</b> (		.,,,,			0	
. Remaining De			. Ogram	14419	•				•	31,63	•	
. Grand Total:		•								18,27		
. PROJECTS REQ		N TE	ITS PRO	KDAM.	PV 1	995				.0,2.		
ATEGORY	forgire i	IN II	IIS PAC	MAN.	F	,,,		COST	DE	RTCN	STATUS	
	PROJEC	~~ <b>ग</b> ा	ጥ፣ ው		c	COPE		(\$000		TART	CMPL	
CODE	PROJEC	-1 13	TUE		=	COFE		13000	<u>.                                    </u>	· navi	OHI D	
11-142 REPLAC	CE GENERA	AL OF	FICER			1	UN	23	וטד פ	RN KE	:Y	
HOUSI						_					-	
	,,,,					TOTAL:	. <b>-</b>	23	<u> </u>			
a. Future Pro	idecte:	Incl	uded i	n the	Pollo	•				5.) NC	NE	
<ul><li>b. Future Pro</li><li>0. Mission or</li></ul>									udos 1	hree		
	-				_						•	
-111 fighter s											•	
raining all F-	·III airc	rewe	, and	an ere	ectron	1C CO	mat	squaa:	con (1	5F-11	.1	
ircraft).												

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION REPLACE GENERAL OFFICER CANNON AIR FORCE BASE, NEW MEXICO HOUSING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 711-142 CZQZ930177 230 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) FAMILY HOUSING 156 REPLACE GENERAL OFFICER HOUSING IIN 153,731 (154)SOLAR LS (2) SUPPORTING FACILITIES 52 SITE PREPARATION LS (10) LS ROADS AND PAVING 5) LS UTILITIES 3) LANDSCAPING LS 7) GARAGE AND STORAGE LS (12)

LS

AREA COST FACTOR

1.10

10. Description of Proposed Construction: Replacement of one GOQ unit.
Includes demolition, site clearing, replacement/upgrade of utility system and roads, and construction of new single family unit with double garage.
Provides normal amenities to include parking, air conditioning, exterior patio, and privacy fencing. Includes asbestos and lead-based paint

DEMOLITION (INCLUDES ASBESTOS & LBP)

SUPERVISION, INSPECTION AND OVERHEAD (5.5%)

SUBTOTAL

remova).

CONTINGENCY (5%)

TOTAL REQUEST

TOTAL CONTRACT COST

NET	PROJECT	\$/	NO.		
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
GOQ 4BR	2310	1.21	55	1	153,731
	<del></del>			1	153,731

11. PROJECT: Replace one General Officer Housing unit. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for the General Officer Quarters at Cannon AFB. The unit will meet "whole house" standards and will be appropriate for the living and entertainment responsibilities of the Installation Commander. The replacement house will provide a modern kitchen, living room, dining room, family room, and bath configuration with ample interior and exterior storage and covered parking for two cars. Both interior and exterior living areas will be designed to provide adequate entertainment space.

CURRENT SITUATION: No major work has been done to this unit since it was built in 1956. The kitchen cabinets, floors, walls, and ceilings are worn and in need of replacement. The floor plan is inadequate. Kitchen is very narrow, and dining area is too small. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Electrical circuits do not meet National Electric Code standards.

(15)

208

10

12

218

230

1. COMPONENT	2. DATE
FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION  CANNON AIR FORCE BASE, NEW MEXICO	
4. PROJECT TITLE 5.	PROJECT NUMBER
REPLACE GENERAL OFFICER HOUSING	CZQZ930177

Lighting systems throughout the house are inefficient and do not meet modern standards. The heating and air conditioning system require upgrade or replacement. House interior is inadequate--especially for a General Officer. Bedrooms are small and do not have adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. IMPACT IF NOT PROVIDED: This Installation Commander will continue to occupy an unattractive, non-functional home. The condition of this home will detract from the social responsibilities required of a commander to entertain visiting dignitaries. The base will incur increasing and unacceptable maintenance and repair costs as efforts are made to keep the house habitable and presentable.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was originally found to be the most cost effective over the life of the project. However, since revitalization costs exceeded 70% of replacement value, replacement was selected as the best option in accordance with current OSD and Congressional policy.

MIL ARY FAMILY HOUSING JUSTIFICATION 1. DATE OF REPORT					2. FISC	NL YEAR		CONTRO					
3. DOD COMPONENT	4. REPORTING INSTALLA				1995		DU-A	LL (AR) 17	10				
AIR FORCE	a. NAME						b. LOCATION						
5. DATA AS OF		CANNON AIR FORCE BASE, NEW MEXICO				SEVEN MILES WEST OF CLOVIS.							
JANUARY 1992	<u>3</u> *	CANACA ANTI CITIC BASE, NEW MEXICO				NEW MEXICO							
	ANALYSIS		CURREN	<del></del>	·	1	PROJECTED						
OF		OFFICER   E9-E4   E3 - E1			TOTAL	OFFICER E9 -E4 E3 - E1 TOTA							
	S AND ASSETS	(a)	(b)	(c)	(d)	(0)	(1)	(a)	(h)				
6. TOTAL PERSONNEL			101	1	1 1 1				1.7				
o. TOTAL TENOGRALEE	••••	434	2,389	835	3.658	575	3.395	1.386	5.3				
7. PERMANENT PARTY	PERSONNEL												
		434	2.369	889	3.692	575	3.395	1.386	5.3				
a. GROSS FAMILY HOU	SING REGULEEVENTS						-						
o. 011000 (MMIZ. 1100		188	1.356	275	1,819	384	2.624	493	3.5				
TOTAL UNACCEPTA	BLY HOUSED (a + b + c)		1,000	<del>                                     </del>	1								
3. 101AL CILIDOLI 1AL	72	3	27	47	77								
a. INVOLUNTARILY S	EPARATED	<del></del>	<del></del>	<del></del>									
E. HITCESTIMIE!	E WWW.EB	1		i o	۰ ا								
b. IN MILITARY HOUS	SING TO BE	<del></del>	·	<del>                                     </del>									
DISPOSED/REPLA		۱ ،	l o	0	ه ا								
	HOUSED IN COMMUNITY				i								
C. DICHOOLI IABELLI	ioooeb iit oominioi ii .	2	27	47	76								
O. VOLUNTARY SEPAR	ATIONS												
t. Voloniani oli ai		1 1	63		64	1	93	ol					
1. EFFECTIVE HOUSIN	GREQUIREMENTS				· -								
		187	1,293	275	1,755	383	2.531	493	3,4				
2. HOUSING ASSETS	(a + b)												
	, <u> </u>	191	1,290	300	1,781	357	1,942	331	2,6				
a. UNDER MILITARY CONTROL													
		149	1,012	<b>j</b> 50	1,211	249	1,062	50	1,3				
(1) HOUSED IN EXISTING DOD													
OWNED/CONTROLLED		149	1,012	50	1,211	249	1,062	50	1,3				
(2) UNDER CONTRACT/APPROVED							[ ""						
						0	0	0					
(3) VACANT													
		0	0		0								
(4) INACTIVE													
			0	0	0								
b. PRIVATE HOUSING	3			Ĭ									
		42	278	250	570	108	880	281	1,2				
(1) ACCEPTABLY HOUSED		· 1											
		35	254	225	514	102	865	256	1,2				
				]									
(2) VACANT RENTA		7	24	25	56	6	15	25					
3. EFFECTIVE HOUSIN	G DEFICIT								_				
		(4)	3	(25)	(26)	26	589	162	7				
4. PROPOSED PROJEC	T												

15. REMARKS (SPECIFY ITEM NUMBER)

1. COMPONENT					<del></del>		2	. DAT	re	
AIR FORCE	FY 1995 MILI	TARY CO			PROGE	MAN				
3. INSTALLATION AND		mpucat (		MMAND			5	ARE	A CONST	
			4. COLUMN					COST INDEX		
HOLLOMAN AIR FORCE	BASE. NEW ME	XICO	AIR C	COMBAT	COMP	LAND			.06	
6. PERSONNEL	PERMA			UDENT			PORTE			
STRENGTH	OFF ENL		OFF		CIV	OFF		CIV	TOTAL	
a. As of 30 SEP 93	555 403	1 976	181	150	12	7	8	61	5,981	
b. End FY 1999	486 396	5 1041	6	34	2	26	239	397	6,196	
		VENTORY		(\$000	)					
a. Total Acreage:	( 58,565)									
b. Inventory Total	As Of: (30	SEP 93)					3	37,78	36	
c. Authorization No	t Yet In Inv	entory:						30,22	20	
d. Authorization Re	quested In T	his Pro	gr <b>a</b> m:					7,73	33	
e. Authorization In	cluded In Fo	llowing	Progr	am:	(FY ]	996)			0	
f. Planned In Next	_	m Years	:						0	
g. Remaining Defici	ency:								0	
h. Grand Total:							3	75,73	39	
8. PROJECTS REQUEST	ED IN THIS P	ROGRAM:	FY 1	.995						
CATEGORY						COST			STATUS	
<u>CODE</u> <u>PR</u>	OJECT TITLE		S	COPE		(\$000	<u>s</u>	TART	CMPL	
711-142 REPLACE FA	MILY HOUSING	}		-	UN _	7,73	_	RN KE	:Y	
				TOTAL		7,73				
9a. Future Project							Y 199	6) NC	NE	
9b. Future Project							- 11			
10. Mission or Maj										
squadrons one of wh										
a combat air rescue squadron (maintains		•		_			_			
test group; a Germa										
and an Air National										
and an AIL Mactonal	Guaru IIgne	et Ince	cepco	I deta	CIMINE	me (r	-10 6	IICI	1107.	

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

HOLLOMAN AIR FORCE BASE, NEW MEXICO

REPLACE FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)
8.87.41 711-142 KWRD953008 7,733

8.87.41 711-142 KWRD953008 7,733

9. COST ESTIMATE	23			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING (PHASE 2)	UN	76	65,929	5,011
SUPPORTING FACILITIES				1,970
SITE PREPARATION	LS			( 180)
ROADS AND PAVING	LS			( 370)
UTILITIES	LS			( 360)
LANDSCAPING AND NEIGHBORHOOD IMPROVMNT	LS			( 100)
RECREATION	LS			( 100)
MULTIPLEX FIRE PROTECTION	LS			( 360)
DEMOLITION (INCLUDES ASBESTOS & LBP)	LS			(500)
SUBTOTAL				6,981
CONTINGENCY (5%)	1			349
TOTAL CONTRACT COST				7,330
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				403
TOTAL REQUEST				7,733
	1 1			
AREA COST FACTOR 1.01				

10. Description of Proposed Construction: Replace 76 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new multi-plex units. Provides normal amenities to include parking, air conditioning, carports, patios and privacy fencing, neighborhood playgrounds, and recreation areas. Includes asbestos and lead-based paint removal. Includes fire sprinkler systems.

*	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO , 2BR	950	1.01	55	4 ·	211,090
JNCO 3BR	1200	1.01	_55	72	4,799,520
<del></del>				76	5,010,610

11. PROJECT: Replace 76 Family Housing units. (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient
replacement housing for military members and their dependents stationed at
Holloman AFB. All units will meet "whole house" standards and are
programmed in accordance with the Housing Community Plan. Replacement
housing will provide a safe, comfortable, and appealing living environment
comparable to the off-base civilian community. The is the second of
multiple phases of an intitiave to provide adequate housing for base
personnel. Of the units requiring upgrade or replacement in this
initiative, 131 have been programmed in prior years. The replacement
housing will provide a modern kitchen, living room, and bath configuration
with ample interior and exterior storage and a carport for one car.
Exterior, off-street parking will be provided for a second vehicle. The
basic neighborhood support infrastructure will be upgraded to meet modern

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
	ON AND LOCATION  FORCE BASE, NEW MEXICO	
4. PROJECT TI	TLE 5.	PROJECT NUMBER
REPLACE FAMIL	Y HOUSING	KWRD953008

housing needs. Neighborhood improvements include landscaping and recreation areas.

CURRENT SITUATION: This project replaces Appropriated housing units which were constructed in the late 1960s/early 1970s. These houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Walls, foundations, and exterior pavements require major repair or replacement due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. Housing interiors are generally inadequate by any modern critria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated. IMPACT IF NOT PROVIDED: Morale problems will result since many people will continue to occupy substandard housing. The housing units will continue to be occupied until they become uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows a deficit of housing for Junior NCOs. Without this and subsequent phases of this intitiative, repairs to these units will continue out of neccessity in a costly, piecemeal fashion, with no improvement in living quality.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based upon the net present values and benefits of the respective alternatives, revitalization was originally found to be the most cost effective over the life of the project. However, since revitalization costs exceeded 70% of the replacement value of the houses, replacement was selected as the best option in accordance with current OSD and Congressional policy. Improvement costs represent 70.2% of updated FY95 Replacement estimates.

Page No

MIL' ARY FAMILY HOUS	ING JUSTIFICATION 1. DA		RT		2. FISC/ 1995	L YEAR		CONTRO	L SYMBOL		
3. DOD COMPONENT	4. REPORTING INSTALLAT	TON									
AIR FORCE 5. DATA AS OF SEPT 1992	E. NAME HOLLOMAN AIR I NEW MEXICO	FORCE BASE,	•		b. LOCATION ALAMAGORDO, NEW MEXICO						
ANAL		CURRENT					PRO.	ECTED			
	OF .	OFFICER		E3 - E1	TOTAL	OFFICER			TOTAL		
	S AND ASSETS	(e)	<b>(b)</b>	(c)	(d)	(0)	0	(9)	(h)		
6. TOTAL PERSONNEL		519	3.257	1,279	5,055	536	2,634	1,401	4,570		
7. PERMANENT PARTY	PERSONNEL	494	3,257	1,279	5,030	505	2,548	1,354	4,407		
	8. GROSS FAMILY HOUSING REQUIREMENTS		2,564	212	3,164	381	1,873	269	2.523		
9. TOTAL UNACCEPTAE	ILY HOUSED (a + b + c)	6	165	19	190						
a. INVOLUNTARILY S	EPAHATED	0	0	0	0						
b. IN MILITARY HOUS DISPOSED/REPLA	CED	0	0	0	0						
c. UNACCEPTABLY F	c. UNACCEPTABLY HOUSED IN COMMUNITY		165	19	190						
10. VOLUNTARY SEPARA	ATIONS	0	0	0	0	8	64	12	84		
11. EFFECTIVE HOUSING	g requirements	388	2,564	212	3,164	373	1,809	257	2,439		
12. HOUSING ASSETS	a + b)	393	2,395	217	3,005	393	2,395	217	3,005		
a. UNDER MILITARY		191	1,360	0	1,551	191	1,360	0	1,551		
(1) HOUSED IN EX OWNED/CONT	ROLLED	189	1,173	0	1,362	191	1,360	0	1,551		
(2) UNDER CONTR	RACT/APPROVED					0	0	0	0		
(3) VACANT		o	0	0	0						
(4) INACTIVE		2	187	0	189						
b. PRIVATE HOUSING		202	1,035	217	1,454	202	1,035	217	1,454		
(1) ACCEPTABLY		193	1,226	193	1,388						
(2) ACCEPTABLE		9	33	24	68						
13. EFFECTIVE HOUSING		5)	169	(5)	159	(20)	(586)	40	(566)		
14. PROPOSED PROJEC	T						76		76		

. COMPONENT		100-								2. DA	TE
	FY	1995		ARY COI			PROGI	MAS	J		
IR FORCE		000.000		puter o							
. INSTALLAT	ION AND LA	OCATIO	M			DIAMM			Į		EA CONST
					AIR F						ST INDEX
CIRTLAND AIR	FORCE BA					IEL C					.C2
. Personnel			ERMAN	<del></del>	ST	UDENT	<u>s</u>	SUP	PORT	ED	L
strength		OFF	ENL	CIV	OFF	ENL	CIV		ENL	CIV	TOTAL
. As of 30	SEP 93	1227	3213	2249	101	262	101	89	17	0 120	7,53
. End FY 199	<del>)</del> 9	1300	2935	2332	43	98	33	89	15	2 120	7,10
		7	. INVI	ENTORY	DATA	(\$000	)				
. Total Acre	age: (	44,0	)25)								
. Inventory	Total As		•	EP 93)						433,13	38
. Authoriza			-	-						12,1	
. Authoriza				_	Tam:					10,0	
. Authoriza	_			-			PV 1	996)		10,0.	0
. Planned I				_	-	<b>CIII</b> • (	(21 1	. 3 3 0 )			-
			ogram	I Wal D	•						0
. Remaining		cy:									0
. Grand Tota										455,34	16
. PROJECTS I	ŒQUESTED	IN TH	IS PRO	GRAM:	FY 1	995					
ATEGORY								COST	D	ESIGN	STATUS
CODE	PROJE	ECT TI	TLE		<u>s</u>	COPE		(\$000	2	START	CMPL
11-142 REPI	ACE FAMII	LY HOU	STNG			106	UN	10,05	R Tri	JRN KE	ξV
						TOTAL:	<u> </u>	10,05	8	_	
	Projects:								Y 19	96) NC	ONE
	rojects:										
O. Mission	or Major	Funct	ions:	Phill	ips L	aborat	ory;	the i	Air I	Porce	
perational 7	est and P	Evalua	tion C	enter;	an A	ir Edu	<b>cati</b>	on an	d Tra	aining	j
command crew	training	wing	with t	:wo fly	ing t	rainir	ng sq	uadro	ns ()	MH-53,	,
H-53, VH-1,	and MH-60	) heli	copter	s, and	MC-1	30 and	HC-	130 a	ircr	aft);	Air
orce Securit	y Police	Agenc	y; and	an Ai	r Nat	ional	Guar	d fig	hter	group	•
F-16aircraft	). Major	r tena	nts in	nclude	Naval	Weapo	ns E	valua	tion	Facil	lity
nd Sandia Na						•					•
			<u></u>								
						•					

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION REPLACE FAMILY HOUSING KIRTLAND AIR FORCE BASE NEW MEXICO 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

8.87.41 711-142 MHMV943016NC 10,058

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	106	59,330	6,289
SUPPORTING FACILITIES	ļ			2,791
SITE PREPARATION	LS			( 651)
ROADS AND PAVING	LS			( 500)
UTILITIES	LS			( 560)
LANDSCAPING	LS	[		( 130)
RECREATION	LS	ŀ		( 150)
DEMOLITION AND ASBESTOS REMOVAL	LS	ľ		(800)
SUBTOTAL		İ		9,080
CONTINGENCY (5%)	1			454
TOTAL CONTRACT COST				9,534
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				<u>524</u>
TOTAL REQUEST				10,058
	1			
AREA COST FACTOR .92	1		_	

10. Description of Proposed Construction: Construct 106 JNCO family housing units. Project consists of demolition of existing housing, asbestos removal, and construction of replacement units with associated carports. 1-ovide patios with privacy fences, storage areas, and trash can enclosures. Site preparation support includes utility repair, landscaping, community development, and street repair.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	.90	55	21 ·	987,525
JNCO 3BR	1200	.90	55	51	3,029,400
JNCO 4BR	1350	.90	55	34	2,272,050
<del></del>		<del></del>		106	6,288,975

PROJECT: Replace 106 JNCO family housing units. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: These units were constructed in 1949 and have received only routine maintenance and repair since construction. These units are undersized, energy inefficient, and would require a complete floor plan change to meet modern day standards. The fixtures in the bathrooms and kitchens are no longer reparable and must be replaced. The units lack common features found in homes off-base such as family rooms and master baths. The flat roofs require frequent emergency stop-gap maintenance. Asbestos is present in the flooring, insulation, interior walls, and

1. COM	PONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  (computer generated)	2. DATE
3. INS	TALLATION AND LOCATION  ND AIR FORCE BASE NEW MEXICO	
<del></del>		PROJECT NUMBER
REPLAC	E FAMILY HOUSING	MHMV943016NC

roofing of each of these units. Lead-based paint is present on both the interior and exterior of the units. The neighborhood is too dense, leaving precious little privacy for families. These units have outlived their useful life; replacement is the most logical method to provide acceptable housing for these junior enlisted members and their families. IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in unacceptable, over-crowded conditions. Asbestos will remain in the units possibly exposing people to a known dangerous substance. Operations and maintenance of the existing units will continue at a costly rate due to deterioration of building systems and inadequate energy conservation deign in the original construction. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Due to health, safety, and environmental concerns, 69 units to be replaced as part of this project will be demolished by a FY94 Maintenance and Repair project. The remaining units, for a total of 106 units, will be demolished by this replacement project.

MILITARY FAMILY HO	USING JUSTIFICATION 1. DA		PRT		2. FISC			CONTROL	. SYMBO
DOD COMPONEN					1995		DO-A&L	AH)1718	
AIR FORCE	a. NAME				b. LOC	TION			
5. DATA AS OF	KIRTLAND AIR FO	DRCE BASE				ALBUQUE	RQUE		
MARCH 1993	NEW MEXICO								
A	IALYSIS		CURRENT					ECTED	
	OF	OFFICER	E9-E4	E3 - E1		OFFICER		_	
REQUIREME TOTAL PERSONN	NTS AND ASSETS	(a)	(b)	(c)	(d)	(0)		(0)	(h)
5. IOIAL PERSONNI	EL SIRENGIA	1,186	2.588	588	4.362				
. PERMANENT PAR	V PERSONNEL	1,160	2,366	200	4,302	1,327	2,289	520	4,1
	Enooning	1,186	2,588	588	4,362	1,327	2.269	520	4.1
GROSS FAMILY H	OUSING REQUIREMENTS	1,100	2.555		1,000	1,027	2.200	- 320	7.
		962	2.041	185	3,188	1.071	1.794	162	3.0
. TOTAL UNACCEPT	ABLY HOUSED (a + b + c)								
		151	125	8	284				
a. INVOLUNTARIL	YSEPARATED								
		5	14	1	20				
b. IN MILITARY HO	· · · <del></del>								
DISPOSED/REF		<u> </u>	0	0	0				
c. UNACCEPTABL	E HOUSED IN COMMUNITY	امد ا		_					
O. VOLUNTARY SEP	PATIONS	146	111	7	264				
U. YOLUMIANI SEPANATIONS		1 4	46	اها	54	6	40	3	,
1. EFFECTIVE HOUSING REQUIREMENTS						-			<del></del>
		958	1,995	181	3,134	1.065	1,754	159	2,9
2. HOUSING ASSETS	S (a + b)	1							
		870	1,906	176	2,952	970	1,702	159	2,8
a. UNDER MILITAI	RY CONTROL								
(1) 1 (0) (0ER )		354	1,610	157	2,121	354	1,610	157	2,12
	EXISTING DOD INTROLLED		4 440						
	NTRACT/APPROVED	354	1,610	157	2,121	354	1,610	157	2,13
(2) GRUEN CO	41DACI/AFFDOVED					اه	اه	o	i
(3) VACANT							U	U ,	
(0)			0	اه	0				
(4) INACTIVE		<del>-                                    </del>							
		0	_ 0	0	0				
b. PRIVATE HOUS	ING	T							
		516	296	19	831	616	92	2	7
(1) ACCEPTABL	Y HOUSED								
/M ACCEPTA	E VACANT DENEAL	453	260	16	729				
(2) ACCEPTABL	E VACANT RENTAL	I 65	36	3					
3. EFFECTIVE HOUS	NG DEELGIT	63	- 30	3	102				
		88	89	5	182	95	52	۰	14
. PROPOSED PROJ	ECT	301	38	, , , , , , , , , , , , , , , , , , ,		- 33	JE 1		
<del> </del>	<del>=</del> = =						106		10

										2. DA	TE		
	FY	1995		ARY COL			PROGE	MAS	ĺ				
IR FORCE				puter o									
. INSTALLATI	ON AND L	CATIC	M		4. CC	DINAMM					EA CONS		
									Ī	COST INDEX			
OPE AIR FORCE	E BASE,	NORTH	CAROL	INA	AIR C	COMBAT	COM	IAND		0	.80		
. PERSONNEL		I	ERMANI	ent	S	UDENT	S	SUE	PORT	ED	1		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL		
. As of 30 S	EP 93	672	4017	449	23	46	48	9	15	7 43	5,46		
. End FY 199	9	534	3745	374		5		11	11	3 23	4,80		
	-	7	. INV	ENTORY	DATA	(\$000)	)						
. Total Acre	age: (	1,9	13)										
. Inventory		-	•	EP 93)						108,3	80		
. Authorizat										30,3			
. Authorizat					ram:					14,8			
. Authorizat						am:	(FY 1	9961		,-	0		
. Planned Ir				-				,			0		
. Remaining			. Og L am	10010	•						0		
. Remaining . Grand Tota		Jy:								153,6	•		
. PROJECTS F		TN ME	TC DD	VDAY.	19 V 1	005				133,6	J#		
	C QUESTED	IN IE	IIS PRO	JGRAM:	FI	.773		COST		BCTCN	CORTUC		
ATEGORY					_				=		STATUS		
CODE	PROJ	ECT T1	TLE		2	COPE		(\$000	1	START	CMPL		
				_									
11-142 CONS	TRUCT FA	MILY F	OUSING	3			_	14,87	_	URN K	EY		
						TOTAL		14,87					
	rojects:								Y 19	96) N	ONE		
	rojects:												
O. Mission	or Major	Funct	ions:	A cor	nposit	e wind	whi	ch in	clud	es on	e F-16		
o. mission quadron, one	_				-		-		CTUU	es on	8 F-10		
<u> </u>	,	-4	,										

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

POPE AIR FORCE BASE, NORTH CAROLINA

CONSTRUCT FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

8.87.41 711-142 TMKH947000 14,874

9. COST ESTIMATES

9. COS1 /	DIIMILED			
			UNIT	COST
ITEM	א/ט	QUANTITY	COST	(\$000)
CONSTRUCT FAMILY HOUSING, PHASE 1	UN	120	45,467	5,456
SUPPORTING FACILITIES				7,971
SITE PREPARATION	LS			( 500)
ROADS AND PAVING	LS			( 664)
UTILITIES	LS			( 1,862)
LANDSCAPING AND NEIGHBORHOOD IMPROVE	int ils		J	( 349)
RECREATION	LS			( 150)
GARAGES, STORAGE AND FIRE PROTECTION	LS			( 1,212)
LAND ACQUISITION	LS		ľ	(3,234)
SUBTOTAL	l i			13,427
CONTINGENCY (5%)			Ì	671
TOTAL CONTRACT COST			i	14,098
SUPERVISION, INSPECTION AND OVERHEAD (	5.5%)			775
TOTAL REQUEST			ľ	14,874
		Ì		
	[ [	ſ	1	[
				]
AREA COST FACTOR .	80	l		

10. Description of Proposed Construction: Construct 120 multiplex housing units with all necessary support. Includes land purchase, site prep, utilities, roads, parking, playgrounds, and landscaping. Project will meet "whole house/neighborhood" guidelines which include adequate square footages, air conditioning, appliances, garages, and privacy fencing. Provides perimeter fencing, fire protection, & EMCS/load shed.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	<u>arėa</u>	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	.80	55	98	4,096,400
JNCO 4BR	1350	.80	55	10	594,000
SNCO 4BR	1450	80	55	12	765,600
				120	5,456,000

11. PROJECT: Construct 120 Family Housing units. (New Mission)

REQUIREMENT: This project is required to provide adequate housing for military members and their dependents stationed at Pope AFB. The Housing Market Analysis for Pope AFB reveals a housing deficit of 658 units. This deficit consists of long-standing deficiencies and additional deficiencies associated with mission realignments from base closures. Land acquisition (100-150 AC) is required to support new construction. Housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first phase of a multiphased effort to provide adequate housing for base personnel. The units will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Parking will also be provided for a second vehicle and guests.

FY 1995 MILITARY CONSTRUCTION PRO AIR FORCE (computer generated)	OJECT DATA
3. INSTALLATION AND LOCATION	
POPE AIR FORCE BASE, NORTH CAROLINA	
4. PROJECT TITLE	5. PROJECT NUMBER

The support infrastructure will meet modern housing needs. Project includes landscaping, recreation areas and perimeter fencing. Fire

CONSTRUCT FAMILY HOUSING

protection will be provided in all multiplex units. CURRENT SITUATION: Pope AFB does not have a sufficient number of housing assets to support existing requirements and ongoing realignment actions. The latest Housing Market Analysis (HMA), Sep 92, indicates a significant deficit. New housing is especially required in the 2-bedroom Junior NCO category due to an extreme shortage of rental units within their affordability range. Construction of off-base multi-family rental units has declined to very low levels. As a result, available units cost \$400/month or more, and are not affordable to most junior enlisted personnel. No space is available on base to support additional family housing. Land acquisition will be required to support this project. IMPACT IF NOT PROVIDED: Air Force families are forced to live off base at greater distances away from the base than are desirable and/or in expensive or unsuitable housing near the base. Ultimately, the mission will suffer damaging effects from low morale and increased stress due to financial strains on families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, leasing and status quo operation. Bawed on the net present values and benefits of the respect ve alternatives, new construction was found to be the most cost effective over the life of the project. The local school authority will be contacted to determine its capability to accept the increase in student population generated by this project.

TMKH947000

MILITARY FAMILY HOUSING JUSTIFICATION 1. DA	TE OF REPO	PRT		2. FISC	AL YEAR		CONTRO	L SYMBOU
3. DOD COMPONENT 4. REPORTING INSTALLAT								
AIR FORCE B. NAME				b. LOC/	TION			,
5. DATA AS OF POPE AIR FORCE	E BASE.				FAYETEV	ILLE. NO	TTH CARC	LINA
SEPT 1992 NORTH CAROLIN	ia .			ł		-		
ANALYSIS		CURREN	7		T	PRO.	JECTED	
OF	OFFICER		E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS AND ASSETS	(a)	(b)	(c)	(d)	(e)	60	(g)	(h)
6. TOTAL PERSONNEL STRENGTH								
	610	2,793	845	4.248	301	2.163	655	_ 3,119
7. PERMANENT PARTY PERSONNEL	- I							
	610	2.793	845	4,248	301	2,163	655	3,119
8. GROSS FAMILY HOUSING REQUIREMENTS				Γ		-		
:	416	2.073	241	2.730	204	1,596	185	1,985
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)								
	33	671	127	831				
a. INVOLUNTARILY SEPARATED								
	2	11	2	15				
b. IN MILITARY HOUSING TO BE		1						
DISPOSED/REPLACED	1 0		0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY								
	31	660	125	816				
10. VOLUNTARY SEPARATIONS								
•	2	17	5	24	1	13	_ 4	18
11. EFFECTIVE HOUSING REQUIREMENTS								
	414	2.056	236	2.706	203	1,583	181	1,967
12. HOUSING ASSETS (a + b)								
	392	1,430	113	1,935	196	1,069	44	1,309
a. UNDER MILITARY CONTROL								
	89	370	0	459	89	370	0	459
(1) HOUSED IN EXISTING DOD								
OWNED/CONTROLLED	89	370	0	459	89	370	0	459
(2) UNDER CONTRACT/APPROVED								
					0	0	0	0
(3) VACANT				ł				
		0	0	0				
(4) INACTIVE								
		. 0	0	0				
b. PRIVATE HOUSING	i			1				
	303	1,060	113	1,476	107	699	44	850
(1) ACCEPTABLY HOUSED	1 .						[	
	292	1,015	109	1,416	103	669	42	814
(2) ACCEPTABLE VACANT RENTAL	1.	_						
	11	45	4	60	4	30	2	36
13. EFFECTIVE HOUSING DEFICIT					_ [			**
	22	626	123	771	7	514	137	658
14. PROPOSED PROJECT						4.0-		
						120		120

ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM THE HOUSING MARKET ANALYSIS DATED SEPTEMBER 1992

. COMPONENT	194	1005	MIT TO	ARY COI	164DII	י שמוחי	יייים	) A M		2. DA	TB.
IR FORCE	l tr	1333		puter (			PROGE	CALM			
. INSTALLAT	TON AND TO	YCA TIC		bacet (		MMAND				5 ADI	EA CONS
EYMOUR-JOHNS					]*· ~	ALLIAND			- 1		ST INDE
		JRCE E	Mos ,			~~WB1m	2014	/ N N/TO			.74
ORTH CAROLI	NA		20012			COMBAT			7202		· /•
. PERSONNEL	4		PERMAN			TUDENT	_		PORT		<b></b>
STRENGTH			ENL	CIV	OFF		CIV	OFF	ENL	CIV	
. As of 30 S			4123			16	1				5,23
. End FY 199	99	534				16			<u> </u>		5,02
				ENTORY	DATA	(\$000	<u> </u>	<del></del>			
. Total Acre	Bage: (	41,1	157)								
. Inventory	Total As	Of:	(30 SI	EP 93)						176,84	48
. Authorizat	tion Not Y	et In	i Inve	ntory:						17,88	<b>B</b> 0
. Authorizat	tion Reque	ested	In Th	is Prog	gram:					6,02	25
. Authorizat	tion Inclu	ided I	in Fol:	lowing	Progr	am:	(FY I	996)			0
. Planned In	n Next Thr	ee Pr	cogram	Years	:						0
. Remaining	Deficienc	:v:	•								0
. Grand Tota		•								200,75	53
. PROJECTS I		IN TH	IIS PRO	OGRAM:	FY 1	995					
ATEGORY								cos	r D	ESIGN	STATUS
CODE	PROTE	CT TI	TT.R			COPE		(\$000	-	START	CMPL
CODE	FROOL		100		-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		7400.	<u>.,</u>		<u> </u>
11-142 REPI	ACP PANTI	A RUL	ICTNG			74	UN	6,02	) S T	URN KI	PV
11-145 WPL	mce Famil	.i noc	STUG			TOTAL:		6,02			<b>3</b>
a. Future I	Projects:	71	المحاصمة		Po114					96 \ NG	NATES
		11101	Ludea :								71173
r witties I	Droieste.	Turni								3, 3,,	
0. Mission	or Major	Funct	cal P	lanned A fly	Next ing v	Three ving wh	Year nich	s: inclu	ides	three	
b. Future I 0. Mission ighter squad ircraft); ar	or Major irons (F-1	Funct 5 air	ical Pi ions: craft	lanned A fly and t	Next ing v	Three ving wh r refu	Year nich uelir	inclung squ	ides iadro	three	c-10
O. Mission ighter squadircraft); ar	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squad ircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
O. Mission ighter squadircraft); ar	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squad ircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squad ircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
0. Mission ighter squadircraft); ar	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squad ircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
0. Mission ighter squadircraft); ar	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squad ircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
0. Mission ighter squadircraft); ar	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
0. Mission ighter squad	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
0. Mission ighter squadircraft); ar	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
0. Mission ighter squadircraft); ar	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
0. Mission ighter squadircraft); ar	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
O. Mission ighter squadircraft); ar	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10
<ol> <li>Mission ighter squadircraft); ar</li> </ol>	or Major irons (F-1 n Air Ford	Funct 15 aix ce Res	ical Pi ions: craft; serve l	A fly and t KC-10	Next ying v wo a:	Three ving whir refu	Year nich welir kr re	incluing squarefueli	ides iadro ing g	three ns (Ko	C-10

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE SEYMOUR-JOHNSON AIR FORCE BASE, NORTH CAROLINA REPLACE FAMILY HOUSING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 8.87.41 711-142 VKAG956001 6,025 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (SOOO) ITEM REPLACE FAMILY HOUSING 4,213 74 56,191 (4,158)REPLACE FAMILY HOUSING, PHASE 3 UN LS 55) **SOLAR** 1,225 SUPPORTING FACILITIES ( 150) SITE PREPARATION LS ROADS AND PAVING LS 155) LS 300) UTILITIES

LANDSCAPING AND NEIGHBORHOOD IMPROVMNT

SUPERVISION, INSPECTION AND OVERHEAD (5.5%)

DEMOLITION (INCLUDES ASBESTOS & LBP)

RECREATION

CONTINGENCY (5%)

AREA COST FACTOR

TOTAL REQUEST

TOTAL CONTRACT COST

SUBTOTAL

LS

LS

LS

10. Description of Proposed Construction: Replace 74 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides normal amenities, to include parking, air conditioning, carports, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal and solar considerations.

.80

		NET	PROJECT	\$/	NO.	
UNIT	TYPE	AREA	FACTOR	nsf	UNITS	TOTAL COST
JNCO	2BR	950	.79	55	18	742,995
JNCO	3BR	1200	.79	55	18	938,520
JNCO	4BR	1350	.79	55	14	821,205
FGO	43R	1550	.79	55	18	1,212,255
SGO	4BR	1700	.79	55	6	443,190
					74	4,158,165

11. PROJECT: Replace 74 Family Housing units. (Current Mission)
REQUIREMENT: This project is required to provide modern and efficient
replacement housing for military members and their dependents stationed at
Seymour-Johnson AFB. All units will meet "whole house" standards and are
programmed in accordance with the Housing Community Plan. Replacement
housing will provide a safe, comfortable, and appealing living environment
comparable to the off-base civilian community. This is the third phase of
a multiple phase initiative to provide adequate housing for base
personnel. Of the units requiring upgrade/replacement in this initiative,
126 have been completed or are programmed in prior years. The replacement
housing will provide a modern kitchen, living room, family room, and bath

150)

100)

370)

272 5,710

314

6,025

5,438

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
AIR FORCE	(computer generated)	•
3. INSTALLATIO	N AND LOCATION	
SEYMOUR-JOHNSO	N AIR FORCE BASE, NORTH CAROLINA	
4. PROJECT TIT	LE	5. PROJECT NUMBER
REPLACE FAMILY	HOUSING	VKAG956001

configuration, with ample interior and exterior storage and a single car carport. Exterior parking will be provided for a second vehicle. The neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood improvements include landscaping and recreation areas.

CURRENT SITUATION: This project replaces Appropriated housing units which were constructed in 1972. These 23 year old houses are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Wall insulation is inadequate. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. IMPACT IF NOT PROVIDED: Major morale problems will result because some people will continue to occupy substandard housing. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows a housing deficit. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement construction was found to be the most cost effective over the life of the project. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected as the best option in accordance with current OSD and Congressional policy. Updated improvement costs represent 74.5% of FY95 Replacement estimates. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

ILITARY FAMILY HOUSE	CYM				2. FISC/ 1995	AL YEAR		CONTRO BL (AR) 17	
DOD COMPONENT AIR FORCE DATA AS OF JULY 1992 4. REPORTING INSTALL 8. NAME SEYMOUR - JC NORTH CARO		NSON AIR FO	ORCE BAS	SE	b. LOCA		ORO, NOF	TH CARO	LINA
ANAL			CURREN	1		r	PRO.	JECTED	
	)F	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER		E3 - E1	TOTA
REQUIREMENT	S AND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
TOTAL PERSONNEL	TRENGTH	600	2.440	740	4.840	-	2.004		
PERMANENT PARTY	HILAMIA	690	3,410	719	4,819	664	3,621	1,018	5.
PERMANENI PARITI	PENSONNEL	690	3,410	719	4.819	664	3.621	1.018	5.
GROSS FAMILY HOUS	ING REQUIREMENTS		0,410	713	7,010		3,021	1,010	
		530	2.901	215	3.646	506	3.070	278	3.
TOTAL UNACCEPTAB	LY HOUSED (a + b + c)	2	80	40	122				
a. INVOLUNTARILY S	PARATED	<del>-</del>	- 60		122				
e. HTTCLUTTATICT CA	3 AMICS	2	8	6	16				
b. IN MILITARY HOUS	ING TO BE								
DISPOSED/REPLAC		0	0	0	0				
c. UNACCEPTABLY H	OUSED IN COMMUNITY	0	72	34	106				
VOLUNTARY SEPARA	TIONS								
		3	35	4	42	3	38	5	
EFFECTIVE HOUSING	HEGGIHEMEN 12	527	2.866	211	3.604	503	3.032	273	3.
HOUSING ASSETS (	1 + b)								
a. UNDER MILITARY C	(A) Pho	533	2,812	174	3,519	510	2,979	246	3,
a. UNDER MILITARY C	CNINOL	154	1,544	0	1,698	154	1,544	اه	1.
(1) HOUSED IN EX	STING DOD								
OWNED/CONT		154	1,544	0	1,698	154	1,544	0	1,
(2) UNDER CONTR	ACT/APPROVED					0	0	9	
(3) VACANT				_		U	U	J	
(4) INACTIVE		0	0	0	. 0				
		٥	0	0	0				
b. PRIVATE HOUSING		379	1,268	174	1,821	356	1,435	246	2.
(1) ACCEPTABLY H	OUSED		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				7,700	970	۷,
(0) 100000000000000000000000000000000000		371	1,242	171	1,764				
(2) ACCEPTABLE V	ACANI RENTAL	8	26	3	37				
EFFECTIVE HOUSING	DEFICIT								
		(6)	54	37	85	(7)	53	27	
PROPOSED PROJECT									

ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM THE HOUSING MARKET ANALYSIS DATED JULY 1982

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA
AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE
CONSTRUCT FAMILY HOUSING
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA
MANAGEMENT OFFICE

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)

8.87.41 610-119 JFSD943004 709

9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE SF 4,493 110 494 SUPPORTING FACILITIES 146 SITE PREPARATION LS (16) UTILITIES LS (23)**PAVEMENTS** LS (39) 4,000 SYSTEMS FURNISHINGS WS 14 (56)LANDSCAPING LS 12) SUBTOTAL 640 CONTINGENCY (5%) 32 TOTAL CONTRACT COST 672 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 37 709 TOTAL REQUEST

AREA COST FACTOR

0.96

10. Description of Proposed Construction: Construct office including foundation; frame construction; HVAC system; parking lot with paved access; sidewalks; lighting; landscaping; entrance foyer; conference room; semi-private areas; private offices for the Housing Manager, Assistant, and Facilities Chief; children's playroom; break area; and an exterior playground area.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 4,493 SF ADEQUATE: 0 SUBSTANDARD: 2,100 SF PROJECT: Construct Family Housing Management Office. (Current Mission). REQUIREMENT: Provide administrative and counseling space for the management of 2,271 housing units. Must be conveniently located for accessability by housing occupants and newly arriving personnel. Must include space for private counseling, offices, lounge/waiting area, conference room, and play area for children of parents awaiting service by housing personnel. Facility must also have adequate parking and include provisions for access by the handicapped. Connection of WIMS equipment to the Defense Data Network (DDN) is required.

CURRENT SITUATION: The Family Housing Management Office provides service to over 3,163 families, and unaccompanied personnel living off base. This office manages the assignment, termination, and maintenance of 2,271 family housing units. The current building is 19 years old. It is a prefabricated split-level residential-type structure poorly configured to provide adequate space for employees and proper atmosphere for customers. Housing referral counselors and clerks are located in an open room along with the reception/display area. Personalized and private customer service cannot be provided. There is no handicapped access to the split-level building. The existing facility will be converted to another

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	
4. PROJECT TITLE 5.	PROJECT NUMBER
CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE	JFSD943004

use separate from this project.

IMPACT IF NOT PROVIDED: Service to the 3,163 military families who process through and utilize the Housing Management Office will continue to be hampered by an inadequate facility. While every effort will be made to provide quality support to all personnel, the crowded space in which to greet and process individuals will severely limit the ability to provide desired service. The facility appearance and crowded conditions also give an extremely poor impression of the base to new arrivals. ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Previous editions are obsolete.

1. COMPONENT									2	. DAT	re a	
AIR FORCE	PY	1995		ARY COI puter (			PROGE	MAS				
3. INSTALLATI	ON AND LO	CATIO		pacer (		MMAND			15	. ARI	A CONST	
J. INSTRUMENTON AND DOCKTION										COST INDEX		
SHAW AIR FORCE BASE, SOUTH CAROLINA					AIR C	COMBAT	COM	AND			72	
6. PERSONNEL			PERMAN			UDENT			PORTE			
STRENGTH	1		ENL	CIV	OFF			OFF		CIV	TOTAL	
a. As of 30 S	EP 93	_	4579	518	16	26	252	11	42	9	6,199	
b. End FY 199	9	705	4465	556	16	26	252	11	42	9	6,082	
			. INV	ENTORY	DATA	(\$000)	)					
a. Total Acre	age: (	3,4	116)									
b. Inventory	Total As	Of:	(30 SI	EP 93)					1	57,48	33	
c. Authorizat	ion Not Y	et In	n Inve	ntory:						11,08	30	
d. Authorizat	ion Reque	sted	In Th	is Prog	gram:					63	31	
e. Authorizat	ion Inclu	ided 1	in Foli	lowing	Progr	am: (	FY 1	.996)			0	
f. Planned In	Next Thr	cee Pr	cogram	Years	3						0	
g. Remaining		y:								BO,66		
h. Grand Tota									2	49,85	54	
8. PROJECTS R	EQUESTED	IN T	iis pro	OGRAM:	FY 1	.995						
CATEGORY								COST			STATUS	
CODE	PROJE	CT T	TLE		S	COPE		(\$000	<u>չ s</u>	TART	CMPL	
711-142 REPL HOU	ACE GENER SING	RAL OF	FICER			3	UN _	63	1 <b>TU</b> 1	RN KE	:Y	
				_ #		TOTAL:		63	1			
9a. Future P	rojects:	Incl	luded :	in the	Follo	wing F	rogr	am (F	Y 199	S) NC	NE	
9b. Future P	rojects:	Typi	cal P	lanned	Next	Three	Year	8:				
wing which incontrol squad:	ron (OA-1	lO and	A-10	aircra	ift).	Also,	the					

1. COMPONENT  FY 1995 MILITARY CONST	2. DATE RUCTION PROJECT DATA
AIR FORCE (computer g	enerated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE REPLACE GENERAL OFFICER
SHAW AIR FORCE BASE, SOUTH CAROLINA	HOUSING
5 PROGRAM ELEMENT 6 CATEGORY CODE 7	PROJECT NUMBER 8. PROJECT COST (5000)

8.87.41 711-142 VLSB940016 631

9 COST ESTIMATE

9. COST ESTIMAT	ES			
ITEM	II/M	QUANTITY	UNIT	COST (\$000)
REPLACE GENERAL OFFICER HOUSING	UN	3	109,802	329
SUPPORTING FACILITIES	1011		103,002	240
	LS		į	(45)
SITE PREPARATION			t t	•
ROADS AND PAVING	LS			( 35)
UTILITIES	LS	ļ		( 25)
LANDSCAPING AND NEIGHBORHOOD IMPROVMNT	LS			( 35)
GARAGES	LS			( 45)
DEMOLITION (INCLUDES ASBESTOS & LBP)	LS			( <u>55</u> )
SUBTOTAL	1			569
CONTINGENCY (5%)				28
TOTAL CONTRACT COST	Į			597
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1			_33
TOTAL REQUEST				631
	1			
AREA COST FACTOR .83				

10. Description of Proposed Construction: Replacement of three GOQ units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single family units with double garages. Provides normal amenities to include parking, air conditioning, exterior patios, and privacy fencing. Includes asbestos and lead-based paint removal.

		NET	PROJECT	\$/	NO.	
UNIT	TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
GOQ	4BR	2310	.92	55	<u> </u>	116,886
GOQ	4BR	2100	.92	_55	2	212,520
					3	329,406

11. PROJECT: Replace three General Officer Housing units. (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient replacement housing for General Officers and their dependents stationed at Shaw AFB. All units will meet "whole house" standards and will be appropriate for the living and entertainment responsibilities of the 9th Air Force Commander, 9th Air Force Vice Commander, and the Installation Commander. The replacement housing will provide a modern kitchen, living room, dining room, family room, and bath configuration with ample interior and exterior storage and covered parking for two cars. Both interior and exterior living areas will be designed to provide adequate entertainment space.

CURRENT SITUATION: No major work has been done to these units since they were built in 1956. The kitchen cabinets, floors, walls, and ceilings are

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA	
	PROJECT NUMBER VLSB940016
REPLACE GENERAL OFFICER HOUSING	AT20240010

worn and in need of replacement. The floor plans are inadequate. Kitchens are very narrow, and dining areas are too small. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Electrical circuits do not meet National Electric Code standards. Lighting systems throughout the houses are inefficient and do not meet modern standards. Heating and air conditioning systems require upgrade or replacement. Housing interiors are inadequate. Bedrooms are small and do not have adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Sun porches have rapidly deteriorated and need new roofs, floors, walls, and windows. IMPACT IF NOT PROVIDED: These commanders will continue to occupy unattractive, non-functional homes. The condition of these homes will detract from the social responsibilities of these commanders as visiting dignitaries are entertained. The base will incur increasing and unacceptable maintenance and repair costs as efforts are made to keep the house habitable and presentable.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Base upon the net present values and benefits of the respective alternatives, revitalization was determined to be the most cost effective. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected as the best option in accordance with current OSD and Congressional policy. Improvement costs represent 74% of estimated replacement costs.

	(MANADD)	PAT		2. FISC/ 1995	AL YEAR		CONTRO BL (AR) 17	
3. DOD COMPONENT A: REPORTING INSTALL AIR FORCE 5. DATA AS OF SHAW AIR FO MAY 1993 SOUTH CARO	RCE BASE			b. LOCA		SOUTH (	CAROLINA	
ANALYSIS		CURREN	Ť		T	PRO	JECTED	
OF	OFFICER		E3 - E1	TOTAL	OFFICER		E3 - E1	TOTAL
REQUIREMENTS AND ASSETS	(a)	(b)	(c)	(d)	(0)	m	(g)	(h)
S. TOTAL PERSONNEL STRENGTH			_					
	803	4.246	1,214	6,263	782	4,201	1,175	6.1
7. PERMANENT PARTY PERSONNEL	803	4.246	1,214	6,263	782	4,201	1,175	6,1
B. GROSS FAMILY HOUSING REQUIREMENTS	619	3,328	420	4,367	604	3,292	407	4.3
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		462	185	683				
a. INVOLUNTARILY SEPARATED		0	- 100	0				
b. IN MILITARY HOUSING TO BE	<del></del>	<del>                                     </del>	<b>-</b>	<del></del>				
DISPOSED/REPLACED		o	0	0				
c. UNACCEPTABLY HOUSED IN COMMUNITY	36	462	185	683				
O. VOLUNTARY SEPARATIONS	,	0	0	0	0	0	0	
1. EFFECTIVE HOUSING REQUIREMENTS	619	3,326	420	4.367	604	3.292	407	4.3
2. HOUSING ASSETS (a + b)	580	2,885	236	3,710	574	2.842	228	3.6
a. UNDER MILITARY CONTROL			143	1,757	169	1,396	136	1.7
(1) HOUSED IN EXISTING DOD	161	1,453	143	1,/5/	100	1,350	130	
OWNED/CONTROLLED	181	1,453	143	1,757	189	1,396	136	1.7
(2) UNDER CONTRACT/APPROVED		11100			0	0	0	
(3) VACANT		0	0	0				
(4) INACTIVE		0	0	0				
b. PRIVATE HOUSING	428	1.432	93	1,953	405	1,444	92	1,9
(1) ACCEPTABLY HOUSED	422	1,413	92	1,927	400	1,423	90	1.9
(2) ACCEPTABLE VACANT RENTAL	6	19	1	26	5	21	2	
3. EFFECTIVE HOUSING DEFICIT	30	443	184	657	30	450	179	6
4. PROPOSED PROJECT		-43	104	03/	30	730		

ITEMS 6-13: INFORMATION REPORTED ARE TAKEN FROM THE HOUSING MARKET ANALYSIS DATED MAY 1983

1. COMPONEN	-	1995	MILIT	ARY CO	NSTRU	CTION	PROGI	RAM		2. D	ATE		
IR FORCE				puter									
	TION AND LO	YCATIC		<u> </u>		DMMAND			-	5 A1	REA CO	NC	
. INGIALLA	IION AND EX	~n110	<b>784</b>		۳. ۳	Jennie (					OST IN		
VECC AID E	ADAR BACR	MBV10				COMBAT	00W	(BWD				UL	
<del></del>	ORCE BASE,									0.92			
. PERSONNE			PERMANI			TUDENT		_	PORT				
STRENGTH	•		ENL	CIV	OFF	ENL	CIV	OFF	ENI	CI			
. As of 30			4465								5,		
. End FY 1	999		4188		L		لــــــــــــــــــــــــــــــــــــــ				5,	33	
				ENTORY	DATA	(\$000	<u>)                                    </u>						
. Total Ac	•	•	132)										
	y Total As		-	-						218,			
	ation Not 1			_						15,			
. Authoriz	ation Reque	ested	In Thi	is Pro	gram:					7,0	77		
. Authoriz	ation Inclu	ided 1	n Foli	lowing	Progr	cam:	(FY 1	1996)			0		
. Planned	In Next Thi	ee Pr	cogram	Years	:						0		
. Remainin	g Deficiend	:y:									0		
. Grand To	tal:	_								241,6	526		
. PROJECTS	REQUESTED	IN TH	IIS PRO	GRAM:	FY :	1995							
ATEGORY	_							COST	1	ESIG	STAT	US	
CODE	PROJE	CT TI	TLE		5	SCOPE		(\$000	))	START	CM	ΡL	
					_				_				
11-142 RE	PLACE FAMII	Y HOU	SING			59	UN	7,07	77 1	URN I	ŒY		
						TOTAL		7,07	_				
a. Future	Projects:	Incl	uded	n the	Pollo	wing	Drogr			96) 1	IONE		
						JWALIU 1	LLOUI	. Семи с г					
0. Missio quadrons ( ircrews, a	Projects: n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraí	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
O. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
O. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
O. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
O. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing ponsitions of the contract of	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v Ls rea -130 a	Three wing wing sponsi	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing sponsi	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing sponsi	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Funct t) on lift s	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing sponsi	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Functit) on	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing sponsi	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Functit) on	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing sponsi	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Functit) on	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing sponsi	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Functit) on	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing sponsi	Year hich ble f	incluor tr	des aini	two l	oomb		
0. Missio quadrons ( ircrews, a	n or Major B-1 aircraind two airl	Functit) on	cal Picions: ne of viquadro	A fly which in the constant of	Next ying v ls rea -130 a	Three wing wing sponsi	Year hich ble f	incluor tr	des aini	two l	oomb		

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

DYESS AIR FORCE BASE, TEXAS

REPLACE FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

711-142

8.87.41

FNWZ930096

9. COST ESTIMATES UNIT COST (\$000) COST U/M QUANTITY REPLACE FAMILY HOUSING 4,170 59 (3,899)REPLACE FAMILY HOUSING, PHASE 2 UN 66,083 LS ( 271) SUPPORTING FACILITIES 2,218 LS ( 217) SITE PREPARATION LS 350) ROADS AND PAVING LS 650) UTILITIES 300) LS LANDSCAPING LS 90) RECREATION LS 436) GARAGES AND STORAGE 175) LS DEMOLITION, ASBESTOS & LEAD PAINT 6.388 SUBTOTAL CONTINGENCY (5%) 319 6,707 TOTAL CONTRACT COST 369 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 7,077 TOTAL REQUEST AREA COST FACTOR .92

10. Description of Proposed Construction: Replace 59 housing units.
Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units.
Provides normal amenities, to include parking, air conditioning, garages, patios and privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal and solar considerations.

	NET	Project	\$/	NO.	
UNIT TYPE	E AREA	FACTOR	<u>NSF</u>	UNITS	TOTAL COST
JNCO 2BI	950	.91	55	2 ·	95,095
JNCO 3BI	R 1200	.91	55	19	1,141,140
SNCO 3BI	R 1350	.91	55	6	405,405
SNCO 4BI	R 1450	.91	55	10	725,725
CGO 2BI	R 950	.91	55	2	95,095
CGO 3BI	R 1350	.91	55	8	540,540
CGO 4BI	1450	.91	55	4	290,290
FGO 3BF	1400	.91	55	2	140,140
FGO 4BF	R 1550	.91	_55	6	465,465
<del></del>				59	3,898,895

11. PROJECT: Replace 59 Family Housing units. (Current Mission)
REQUIREMENT: This project is required to provide modern and efficient
replacement housing for military members and their dependents stationed at
Dyess AFB. All units will meet "whole house" standards and are programmed
in accordance with the Housing Community Plan. Replacement housing will
provide a safe, comfortable, and appealing living environment comparable
to the off-base civilian community. This is the second of multiple phases

7,077

1. COMPON	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
	LATION AND LOCATION	
DYESS AIF	FORCE BASE, TEXAS	_
4. PROJEC	T TITLE 5.	PROJECT NUMBER

REPLACE FAMILY HOUSING

FNWZ930096

to provide adequate housing for base personnel. Of the 993 Capehart housing units to be replaced or upgraded in this multi-phase initiative, 150 are completed or included in prior programs, and 781 will follow in subsequent phases. The replacement housing will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second vehicle. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. CURRENT SITUATION: This project replaces Capehart housing units which were constructed in 1957. These 38 year old houses are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. Off-street parking is severely limited causing traffic congestion. Traffic flow in and around the housing area is inefficient. IMPACT IF NOT PROVIDED: Major morale problems will result because some people will continue to occupy substandard housing while neighbors and friends are in new, replaced units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows a housing deficit of 169 units. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". There will be no increase in the student population or impact on the local school district to support base dependents. An economic analysis was prepared comparing alternatives of construction, revitalization, leasing, and statusquo operation. Based on net present values and benefits of respective alternatives, improvement was found to be the most cost effective over the life of the project. However, since improvement costs exceeded 70% of replacement value, replacement was selected as the best option in accordance with current OSD and Congressional policy. Updated improvement costs represent 73% of FY95 Replacement costs.

	ING JUSTIFICATION 1. DA	MDD)	RT		2. FISC/ 1995	NL YEAR		CONTROL LL (AR) 17	
3. DOD COMPONENT AIR FORCE 5. DATA AS OF APRIL 1993	a. NAME DYESS AIR FOR		KAS		b. LOCA	TION ABILENE	TEXAS		
	Ysis	- <del>7</del>	CURREN	7		,	PBO	ECTED	
OF REQUIREMENTS AND ASSETS		OFFICER			TOTAL (d)	OFFICER	E9 -E4		TOTAL
6. TOTAL PERSONNEL		786	3,363	1.027	5.176	760	3,194	1,119	5.07
7. PERMANENT PARTY	PERSONNEL	786	3.363	1.027	5,176	760	3,194	1,119	5,07
8. GROSS FAMILY HOU	SING REQUIREMENTS	630	2,615	392	3.637	613		425	3,50
9. TOTAL UNACCEPTAL	BLY HOUSED (a + b + c)	19	159	72	250				
a. INVOLUNTARILY S	EPARATED	4	7	3	14				
b. IN MILITARY HOUS DISPOSED/REPLA		0	0	0	o				
c. UNACCEPTABLY	HOUSED IN COMMUNITY	15	152	69	236				
O. VOLUNTARY SEPAR	ATIONS	19	69	13	101	18	64	15	
1. EFFECTIVE HOUSIN	G REQUIREMENTS	611	2,546	379	3,536	595	2,448	410	3,4
2. HOUSING ASSETS	(a + b)	611	2,477	313	3,401	596	2,349	340	3,2
a. UNDER MILITARY	CONTROL	121	786	83	990	121	786	83	91
(1) HOUSED IN E OWNED/CON	TROLLED	116	741	83	940	121	786	63	91
(2) UNDER CONT	RACT/APPROVED					0	0	0	
(3) VACANT		5	45	0	50				
(4) INACTIVE	<u>.</u>	0	0	٥	0		_		
b. PRIVATE HOUSING		490	1,691	230	2,411	474	1,563	257	2,2
(1) ACCEPTABLY	HOUSED	476	1,646	224	2,346	461	1,521	250	2,2
(2) VACANT RENTA		14	45	6	65	13	42	7	
3. EFFECTIVE HOUSIN		0	69	- 66	135	0	99	70	10
4. PROPOSED PROJEC	iI					29	30		

1. COMPONENT					_		2	. DAT	'E	
AIR FORCE	ry 1995 MILITA				PROGE	MAS				
3. INSTALLATION AND		uter o							2 001107	
2. INSTRUMENT TON AND	POCKLION		•. u	MMAND			15		A CONST	
LANGLEY AIR FORCE BA	CP VIDCINIA		AIR COMBAT COMMAND				1	COST INDEX		
6. PERSONNEL	PERMANE			UDENTS			PORTE		03	
STRENGTH	OFF ENL	CIV	OFF			OFF		CIV	TOTAL	
a. As of 30 SEP 93	2259 6511			106		3	11	++	10,842	
b. End FY 1999	2185 6612				10		11	I - I	10,873	
	7. INVE				_			1	10/0/3	
a. Total Acreage:										
b. Inventory Total J		P 93)					2	49,50	5	
c. Authorization Not	•							15,90		
d. Authorization Rec		_	ram:					14,42		
e. Authorization Ind		_	•	am: (	FY 1	.996)		-	0	
f. Planned In Next 1	hree Program	Years:	-			=			0	
g. Remaining Deficie	incy:								0	
h. Grand Total:							2	79,82	6	
8. PROJECTS REQUESTE	D IN THIS PRO	GRAM:	FY 1	995	_		-			
CATEGORY						COST			STATUS	
<u>CODE</u> <u>PRO</u>	JECT TITLE		<u>s</u>	COPE		(\$000	<u>) s:</u>	FART	CMPL	
							_			
711-142 REPLACE FAM	IILY HOUSING						<u>1</u> TU	rn ke	Y	
Oc. Butune Brederit		- 41-		TOTAL:		14,42		-		
9a. Future Projects 9b. Future Projects							I 1990	ON (c	NE	
10. Mission or Majo							0000	1		
fighter wing with th									n	
aircraft delivery gr									••	
Operations School; a	_		_		,					
•										
•									ŀ	
	•									
									1	

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

LANGLEY AIR FORCE BASE, VIRGINIA

REPLACE FAMILY HOUSING

14,421

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

MUHJ937003 8.87.41 711-142

9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM 61,507 9,103 REPLACE FAMILY HOUSING, PHASE 3 148 3,915 SUPPORTING FACILITIES LS 630) SITE PREPARATION LS 860) ROADS AND PAVING 9991 LS UTILITIES 168) LANDSCAPING AND NEIGHBORHOOD IMPROVMNT LS 105) LS RECREATION LS 603) MULTIPLEX FIRE PROTECTION DEMOLITION (INCLUDES ASBESTOS & LBP) 550) LS 13,018 SUBTOTAL 651 CONTINGENCY (5%) TOTAL CONTRACT COST 13.669 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 752 TOTAL REQUEST 14,421 AREA COST FACTOR .92

10. Description of Proposed Construction: Replace 148 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and new multiplex housing units. Provides all support to include parking, garages, air conditioning, exterior patios, privacy fencing, and neighborhood playgrounds and recreation areas. Includes asbestos and lead paint removal, fire protection & EMCS loadshedding.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	.90	55	38 ·	1,786,950
JNCO 3BR	1200	.90	55	38	2,257,200
SNCO 3BR	1350	.90	55	26	1,737,450
SNCO 4BR	1450	.90	55	42	3,014,550
SNCO 5BR	1550	90_	55	4	306,900
	<del></del>			148	9,103,050

PROJECT: Replace 148 Family Housing units. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Langley AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the third of multiple phases to provide adequate housing for base personnel. Of the total of 1638 units to be upgraded or replaced in this multi-phased initiative, 364 have been upgraded, 180 will be completed in this phase and 1274 will follow in subsequent phases. This replacement housing will

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJEC (computer generated)	r data	2. D	ATE
	ON AND LOCATION ONCE BASE, VIRGINIA			
4. PROJECT TI		5.	PROJECT	NUMBER
REPLACE FAMIL	Y HOUSING	Ĺ	MUHJ9370	003

provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second vehicle. The neighborhood infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping and recreation areas. CURRENT SITUATION: This project replaces Appropriated units which are over 19 years old and are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Utility systems and exterior pavements require major repair or replacement due to the effects of age and the environment. Roof structures show signs of rot. Pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is worn and outdated. Plumbing, sanitary sewer, and electrical systems are outdated and require abnormal maintenance and repair. The sanitary sewer system cannot support the infrastructure requirements of the area. Electrical circuits do not meet National Electric Code requirements.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, substandard and unsatisfactory housing. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses base shows a housing deficit of approximately 100 units. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. However, since improvement costs exceeded 70% of the replacement value, replacement construction was selected.

	ING JUSTIFICATION 1. DA		PK1		2. FISC. 1995	1992	REPORT DD-A	LL (AR) 17		
	4. REPORTING INSTALLA	TION				*				
AIR FORCE	a. NAME				b. LOCATION					
5. DATA AS OF	LANGLEY AIR FO	DACE BASE,	VIRGINIA		HAMPTON, VIRGINIA					
AUGUST 1992										
	YSIS		CURREN	•				ECTED		
	OF	OFFICER			TOTAL		E9 -E4			
	S AND ASSETS	(a)	(b)	(c)	(d)	(•)	(0)	(g)	<u>(p)</u>	
6. TOTAL PERSONNEL	STRENGTH	2.181	5,303	1,363	8.847	2,157	5,101	1,262	8.52	
7. PERMANENT PARTY	34-14-11114	2,101	3,303	1,303	0,007	2,137	3,101	1,202	0.32	
7. PERMANENI PARIT	PENSONNEL	2,181	5.303	1,363	8,847	2,157	5,101	1.262	8,52	
8. GROSS FAMILY HOU	SING REQUIREMENTS		0,000	.,	0,000	2,,37	3,131	1,202		
u. unou (Amie) 1100		1,742	3,205	425	5,372	1.722	3,103	394	5,21	
9. TOTAL UNACCEPTAR	SLY HOUSED (a + b + c)									
		74	24	98	196					
a. INVOLUNTARILY S	SEPARATED									
		0	0	0	0					
b. IN MILITARY HOU				_						
DISPOSED/REPLA	HOUSED IN COMMUNITY	0	0	0	0					
G. UNACCEPTABLY	HOUSED IN COMMONITY	74	24	98	196					
O. VOLUNTARY SEPAR	ATIONS					_				
		اه	o	٥			lol	0		
1. EFFECTIVE HOUSIN	G REQUIREMENTS									
		1,742	3,205	425	5,372	1,722	3,103	394	5.21	
2. HOUSING ASSETS	(a + b)									
		1.705	3,236	336	5,277	1,687	3,135	312	5,13	
a. UNDER MILITARY	CONTROL									
		372	1,216	0	1,588	372	1,216	0	1,58	
(1) HOUSED IN E				_				_		
OWNED/CON		372	1,216	0	1,588	372	1,216	0	1,56	
(2) UNDER CONT	HACI/APPHOVED					٥	اه	0		
(3) VACANT		_						U		
(b) VACAITI		١ .		0	ه ا					
(4) INACTIVE		<del>- </del> -			Ť					
(,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		6	o	0	1 0					
b. PRIVATE HOUSING	G									
		1,333	2,020	336	3,669	1,315	1,919	312	3,54	
(1) ACCEPTABLY	HOUSED									
		1,296	1,965	327	3,588	1,277	1,864	303	3,44	
(2) ACCEPTABLE	VACANT RENTAL									
		37	55	9	101	38	55	. 9	10	
3. EFFECTIVE HOUSIN	G DEFICIT									
		37	(31)	89	95	35	(32)	82	8	
4. PROPOSED PROJEC	31									
							148		14	

DATA IN THIS FORM IS FROM THE HOUSING MARKET ANALYSIS DATED SEPTEMBER 1992

1. COMPONENT	20	100F	MTTTM	ARY CO	VCTD!!	**************************************	ייים מ			2. DA1	LE
AIR FORCE	FI	7773		puter (			1UUN 1	wari	- 1		
INSTALLATI	ON AND TO	YATI		Pacer (		MMAND				S. APE	A CONST
. INSIMPLAII	ע עות אט.	VX11			۲. ۵	MANNE			1		T INDE
FAIRCHILD AIR	-	ACP (	ur cutna	TON.	ATD (	COMBAT	COM	(AND	1		.11
6. PERSONNEL	FORCE BA		PERMANI			TUDENT			PORT		
STRENGTH	4		ENL	ENL		TOTAL					
SIRENGIA L. As of 30 S	- PD 02	562		CIV	140	ENL 372		OFF	ENL	107.	5,16
D. End FY 199			3423	1	116			1		1 15	4,74
. ENG F1 199	,,			ENTORY						-1	47.74
. Total Acre	200: /		060)	21110111	<u> </u>	74000	<u></u>				
. Inventory	-	-	•	RD 931						313,12	23
. Authorizat			-							10,76	
. Authorizat				_	ram:					1,03	
. Authorizat						am:	/FY 1	9961		2,00	0
f. Planned In				_	_		,	.,,			0
. Pranned in g. Remaining			- ~y+ <del>u</del> m	4-44-	-						0
n. Grand Tota		-1.								324,91	•
3. PROJECTS R		TN T	HTS PRO	GRAM:	PY 1	995					
CATEGORY	māono.mo			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.,,,		cosi	, D	ESIGN	STATUS
CODE	PROJE	CT T	ITLE		5	COPE		(\$000	_	START	CMPL
<u></u>	<u> </u>				=			74000	<b>.</b> .		
11-142 REPL	ACR SENT	OR OF	FICER E	HOUSTN	3	6	UN	1.03	5 T	URN KE	:Y
11 141 1011	2.02 02					TOTAL	-	1,03	-		_
a. Future P	rojects:	Tnc	luded i	in the	Follo					96) NO	NE
	rojects:										
	or Major								b wi	na whi	ch
		E WILL									
ncludes one											
	B-52 squa	adron	; two 1	Air Mol	oility	Comm	and a	ir re	fuel.	ing	
quadrons (KC	B-52 squa -135 airc	adron; craft;	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	;
quadrons (KC (KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC  KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC (KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC (KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC  KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	;
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	;
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	;
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	;
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	;
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	;
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	;
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC  KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	;
quadrons (KC (KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC (KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC (KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC (KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
includes one squadrons (KC (KC-135 aircr School (UH-1	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC (KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı
quadrons (KC KC-135 aircr	B-52 square- 135 airc aft); and	adron; craft; i the	; two ! ); an !	Air Mol Air Nat	oility tional	Comma	and a	ir refu	fuel.	ing g wing	ı

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE FAIRCHILD AIR FORCE BASE, WASHINGTON REPLACE SENIOR OFFICER HOUSING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 8.87.41 711-142 GJKZ950024 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) REPLACE SENIOR OFFICER HOUSING 99,110 SUPPORTING FACILITIES 340 SITE PREPARATION LS 50) LS ROADS AND PAVING 80) UTILITIES . LS 60) ( LANDSCAPING LS 30) LS GARAGES AND STORAGE 60) DEMOLITION, ASBESTOS & LEAD ABATEMENT LS 60) SUBTOTAL 935 CONTINGENCY (5%) 47 TOTAL CONTRACT COST 982 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 54 TOTAL REQUEST 1,035 AREA COST FACTOR 1.00 10. Description of Proposed Construction: Replacement of six Senior

10. Description of Proposed Construction: Replacement of six Senior Officer Housing units (SOQs). Project will provide new housing with attached double car garage and all necessary support. Supporting facilities include sitework, utility systems, roads, parking, walkways, landscaping, and special features. Demolish five existing SOQ's, and associated infrastructure. Includes asbestos and lead paint removal.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
SGO 4BR	1700	1.06	55	6	594,660
				6	594,660

11. PROJECT: Replace six Senior Officer Housing units. (Current Mission) REQUIREMENT: Provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the installation senior command staff. The housing and housing environment must provide the amenities comparable to that found in off base communities. All units will meet "whole house" standards. The Senior Officer housing area must be relocated to comply with the Housing Community Plan (HCP).

CURRENT SITUATION: The existing housing units were built in 1957 and do not meet current standards for senior officer housing, nor do they provide the modern efficient home layout and amenities found in off base communities. These units have never received major improvements and are showing the wear and tear of years of continuous use. The units have only 1 1/2 baths, and three bedrooms. Layout, utilities, cabinets and fixtures are all dated, substandard, and in need of replacement. The houses are

1. COMPONENT FY	1995 MILITARY CONSTRUCTION PROJECT DAT	A	2. D	TE
AIR FORCE	(computer generated)			
3. INSTALLATION AND FAIRCHILD AIR FORCE				
4. PROJECT TITLE		5. 1	PROJECT	NUMBER
REPLACE SENIOR OFFI	CER HOUSING	(	GJKZ9500	24

constructed on concrete slabs, with wood frames. Service lines were placed beneath the concrete slab making replacement and repair difficult and expensive. Electrical, plumbing, mechanical, and structural systems need major repair, or complete replacement. Electrical systems are at maximum capacity. The roof structures require complete replacement, and the insulation, heating, and air conditioning systems are energy inefficient and need to be brought up to modern standards. The units do not meet the minimum size standards for senior officers. The housing to be replaced by this project is located adjacent to administrative/recreation functions (credit union, club, dormitories and transient billeting) which are not a normal part of a housing environment. The HCP proposes moving all of the Senior Officer housing to a new site adjacent to the existing housing area. Five existing SOQs will be demolished, and one, located in a separate area, will be retained to satisfy a deficiency in other grades.

IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support senior leadership. The condition of the housing will reflect poorly to the many dignitaries frequently entertained in this housing area. As the housing continues to age, accelerated deterioration of electrical, plumbing, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. Housing occupants will continue to reside in an area which does not provide normal community ammenties, or a living environment compatible with the leadership position and entertainment responsibilities of the occupants.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is a replacement project, there will be no increase in the student population or impact on the ability of local school districts to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

WILITARY FAMILY HOUS	(YYM)		PRT		2. FISC. 1995	AL YEAR		CONTRO! N. (AR) 17			
. (YOD COMPONENT	4. REPORTING INSTALLAT	ION									
AIR FORCE	a. NAME				b. LOC	TION					
DATA AS OF	FAIRCHILD AIR F	ORCE BASE	. WASHIN	GTON	j	SPOKANE, WASHINGTON					
APRIL 1993	1		•		İ		-• -				
	YSIS	1	CURREN	<del>7</del>		<u> </u>	PRO.	ECTED			
OF REQUIREMENTS AND ASSETS		OFFICER	E9-E4	E3 - E1	TUTAL	OFFICER	E9 -E4	E3 - E1	TOTAL		
		(a)	(P)	(e)	(d)	(0)	m	(g)	(h)		
. TOTAL PERSONNEL	STRENGTH	<del></del>									
		612	2,722	810	4,144	598	2.664	792	4,00		
PERMANENT PARTY	PERSONNEL				1						
		612	2.722	810	4,144	598	2.664	792	4.00		
GROSS FAMILY HOU	SING REQUIREMENTS										
		485	2,291	392	3,168	473	2.224	379	3.07		
TO ALUNG SERVI	LY HOUSED (a + b + c)										
. TO THE OIGHOUE! THE	,	18	260	110	386						
a INVOLUNTARILY SEPARATED		<del>-                                    </del>									
d. INVOLUNIANE: 3	ENNIED	1 0	او ا	6	15						
b. IN MILITARY HOUS	INO TO BE	<del>                                     </del>			<del></del>						
		1 6	٥	0	6						
C. UNACCEPTABLY HOUSED IN COMMUNITY		<del></del>									
		12	251	104	367						
A VALUE TABLE ACES	TANA	12	231	105	367						
O. VOLUNTARY SEPAR	ATIONS	1 7	87	9	103	6	75	11	9		
1. EFFECTIVE HOUSIN	A REALIBERT ATE	<del></del>	8/		103	<u> </u>	/3	- ''			
1. EFFECTIVE HOUSIN	G REGUINEMENTS	478	2,204	383	3,065	467	2,149	366	2,96		
2. HOUSING ASSETS	6 4 5 3 4 4	7/8	2,2,4		3,003	70/	2,170				
2. HUUSING ASSETS	a + 0)	462	1,949	274	2,685	458	1,941	293	2.69		
a. UNDER MILITARY	e/e/type/e/l	402	שַּבָּב,ו	214	2,003	+38	1,571				
a. UNDER MILITARY	CONTROL	177			1,478	159	1,160	159	1,47		
(1) HOUSED IN E	INTERIOR DOD	<del>- '''</del>	1,210	91	1,475	139	1,100	- '	1,47		
OWNED/COM		177	1.210	91	1,478	159	1,160	159	1,47		
(2) UNDER CONTI		1//	1,210	91	1,470	139	1,100	139	1,4/		
(2) UNDER CONTI	ACI/APPHOVED						اء	اه			
						0	0	. 0			
(3) VACANT		- I	_	_	i .						
			0	0	0						
(4) INACTIVE				_							
				0	0	,					
b. PRIVATE HOUSING	3										
	··	265	739	163	1,207	299	781	134	1,21		
(1) ACCEPTABLY	HOUSED										
		283	734	182	1,199	297	776	133	1,20		
(2) ACCEPTABLE	VACANT RENTAL						_ ا				
		2	5	1	8	2	5	1			
3. EFFECTIVE HOUSIN	G DEFICIT							}			
•	·	16	255	109	380	9	208	75	29		
4. PROPOSED PROJEC											

ITEMS 1-13: INFORMATION REPORTED IN THIS TABLE IS TAKEN FROM THE HOUSING MARKET ANALYSIS DATED APRIL 1993

I	FY 1995	MIT.TT	יט אמי	NSTP11	י מחזישי	יייטעע	MAS	2	. DAT	re	
AIR FORCE	£1 1993		outer o			rkogr	VALTA .				
3. INSTALLATION AND	LOCATIO				DIAMMO			5	. ARI	A CONS	
J. INDIREMITOR AND LOGISTOR					ORCE				COST INDE		
F E WARREN AIR FORCE BASE, WYOMING					COMM	- 1	1.02				
. PERSONNEL		PERMANE			UDENT	PORTE	RTED				
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
. As of 30 SEP 93	559	3030	557							4,14	
. End FY 1999	575	2898	541	1 1					1 1	4,01	
	7	7. INV	ENTORY	DATA	(\$000	<del></del>					
. Total Acreage:		701)									
. Inventory Total	-	(30 SI	EP 93)					2	20,07	72	
. Authorization No	t Yet Ir	Inver	ntory:						10,75	50	
d. Authorization Re				gr <b>a</b> m:					11,32	21	
. Authorization In	cluded I	n Foll	Lowing	Progr	am:	(FY I	996)			0	
f. Planned In Next	Three Pr	rogram	Years	3						0	
g. Remaining Defici										0	
. Grand Total:								2	42,14	13	
. PROJECTS REQUEST	ED IN TH	IIS PRO	GRAM:	FY 1	.995						
CATEGORY							COST	DE	SIGN	STATUS	
CODE PR	OJECT TI	TLE		<u>s</u>	COPE		(\$000	) <u>s</u>	TART	CMPL	
				_							
711-142 REPLACE FA	MILY HOU	JSING			106		11,32		RN KE	EY	
		-			TOTAL:	:	11,32	1			
a. Future Project	s: Incl	luded i	in the	Follo	wing 1	Progr	am (F	Y 199	6) NO	ONE	
b. Future Project								- 73			
.O. Mission or Maj				<i>quarte</i>		ent le	CN Al			ın	
AFSPC missile wing	congiati										
		_			-						
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					iou <b>s</b>	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					aous	
intercontinental ba	llistic	missil	le squa		-					aou <b>s</b>	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					ous	
intercontinental ba	llistic	missil	le squa		-					ous	
intercontinental ba	llistic	missil	le squa		-					ous	
intercontinental ba	llistic	missil	le squa		-					aou <b>s</b>	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					aous	
intercontinental ba	llistic	missil	le squa		-					aous	
intercontinental ba	llistic	missil	le squa		-					aous	
intercontinental ba	llistic	missil	le squa		-					aous	
intercontinental ba alert posture (UH-1	llistic	missil	le squa		-					aous	
intercontinental ba	llistic	missil	le squa		-					aous	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					ious	
intercontinental ba	llistic	missil	le squa		-					ious	
ntercontinental ba	llistic	missil	le squa		-					ious	

1. COMPONENT									2.	DATE
	FY	1995 MILITARY	CONSTRUC	TION P	R	DJECT D	ATA	A	]	
AIR FORCE		(compu	iter gene	rated)					ĺ	
3. INSTALLATIO	N AND	LOCATION		4. PR	0.	ECT TI	TLE	2		
F E WARREN AFB						FAMIL				
5. PROGRAM ELE	MENT	6. CATEGORY COL	$E \mid 7$ . PRO	JECT N	40	BER 8	. F	PROJEC	CT C	COST (\$000
0 07 41	f	211 140		V05100	_	ļ				
8.87.41		711-142		N95100	<u>&gt;</u>					11,321
		9, 00	ST ESTIM	ATES	- 1					
		TOPY		ļ.,,		OURNET	<u>_</u> _	UNIT	· }	COST
DEDIACE WUESSY	ENMI	ITEM	CF 2	UN		<del>,</del>				(\$000)
REPLACE WHERRY FAMILY HOUSING, PHASE 2 SUPPORTING FACILITIES					-	10	٦	69,9	00	7,416 2,804
SITE PREPARATION					Į				ļ	( 895
ROADS AND PA				LS	- 1				l	( 985
LANDSCAPING	* 1110			LS						( 274
RECREATION				LS	ļ				- 1	( 94
OTHER (DEMOL	(NOT			LS	-				1	( 556
SUBTOTAL	,				- [		i		- 1	10,220
CONTINGENCY (59	<b>&amp;</b> )								l	511
TOTAL CONTRACT COST							- [		ł	10,731
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)							- [		1	590
TOTAL REQUEST					-		ļ		- [	11,321
					-				- 1	
				- 1	-					
					l					
NEN GOOD ENGE	<b>.</b> D		1 00	- (						
AREA COST FACTO		Proposed Const	1.08		4	_		06 ho		<del>-</del>

10. Description of Proposed Construction: Demolition of 106 housing units and construction of new family housing with all necessary supporting facilities. Project includes attached garages, energy conservation features, and appliances. Supporting facilities include site preparation, utilities, pavements, communications, parking, landscaping and recreation areas. Asbestos removal.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3BR	1200	1.06	55	106	7,415,760
				106	7,415,760

11. PROJECT: Replace 106 Family Housing units. (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at F E Warren AFB. All units will meet "whole house" standards and provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This project completes Phase B of the Housing Community Plan (HCP). The HCP is being revised to reflect personnel changes and will show the above grade and unit mix.

CURRENT SITUATION: The existing Wherry family housing units were constructed over 40 years ago. They were declared substandard in 1972. These facilities are so poor that living in them is strictly voluntary and at reduced BAQ rates. They continue in use because off-base housing is extremely limited in this isolated community. When available, off-base housing is very expensive, and frequently little better than the units being replaced by this project. Few adequate houses are available and

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION

#### F E WARREN AFB, WYOMING

4. PROJECT TITLE

5. PROJECT NUMBER

REPLACE FAMILY HOUSING

GHLN951005

affordable for the Junior NCOs. The existing Wherry housing is deficient in size by an average of 300 square feet per unit. The concrete block cavity walls have one inch rigid board insulation, and the flat concrete roof decks have a minimum of rigid board insulation. The concrete floor slabs and block wall exteriors of many units have extensive structural cracks. Housing density is high, and there is little privacy for occupants using backyards. There are no family rooms, porches, carports, garages, or storage rooms. Electrical systems do not meet current codes. There are no GFI circuits, and the number of outlets is minimal. Furnaces are not installed per current codes and the majority require replacing. Bathroom fixtures and finishes are antiquated and in need of total replacement. Kitchens are small, and all fixtures and cabinets are badly deteriorated. Kitchen space is further limited by the presence of washer and dryer equipment. All windows are single glazed, steel frame, and are not energy efficient. The units are drafty, and very difficult to keep warm in the cold, windy Wyoming winters.

IMPACT IF NOT PROVIDED: The substandard housing units will continue to be occupied because no other housing is available. Local community housing is almost nonexistent, and the situation is deteriorating. Since this project was initiated, a new business has moved to the area and is providing 350 new jobs, but no new housing is being constructed. Without this and the subsequent phase of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

MILITARY FAMILY HOUS		(YYMMI	ומכ	RT		2. FISC/ 1994	AL YEAR		CONTRO	L SYMBO
3. OD COMPONENT AIR FORCE 5. DATA AS OF FEBRUARY 1992	4. REPORTIN	FRANCIS E. AIR FORCE	WARREN				ITION MILE NOR YENNE, W		OF	
	YSIS			CURREN	Ť		I	PRO.	JECTED	
	OF		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENT	'S AND ASSETS	3	(a)	(p)	(c)	(d)	(•)	(0	(9)	(h)
6. TOTAL PERSONNEL	STRENGTH		635	2.346	683	3,664	555	2,337	678	3.57
7. PERMANENT PARTY	PERSONNEL		635	2,346	683	3.664	555	2.337	678	3.570
8. GROSS FAMILY HOU	SING REQUIRE	MENTS	442	1,696	115		383	1,685	202	2.270
9. TOTAL UNACCEPTAE	BLY HOUSED (	a + b + c)	77	524	31	632				
a. involuntarily S	EPARATED		5	9	6	20				
b. N MILITARY HOUS				111		111				
c. UNACCEPTABLY F		MUNITY	72	404	25					
0. VOLUNTARY SEPARA	ATIONS		10	89	5		9	89	5	100
1. EFFECTIVE HOUSIN	G REQUIREMEN	ITS	432	1.607	110		374	1.596	197	2.16
2. HOUSING ASSETS (	(a + b)		366	1.108	82		296	1,009	106	1,41
a. UNDER MILITARY	CONTROL	- <u>-</u>	114	507	- 02	621	114	507		62
(1) HOUSED IN EX			113	506	i	619	114	507		62
(2) UNDER CONT										
(3) VACANT		<del></del>								
(4) INACTIVE	***		1	1		2				
b. PRIVATE HOUSING	3		252	601	82		182	502	106	790
(1) ACCEPTABLY	HOUSED		242	577	79	898	.02	0.02		
(2) ACCEPTABLE	VACANT RENTAL	•	10	24	3					
3. EFFECTIVE HOUSING	G DEFICIT	<u> </u>	66	499	28		78	587	91	75
4. PROPOSED PROJEC	T							106		106

15. REMARKS (SPECIFY ITEM NUMBER)

ITEM 6 - 13. BASIC DATA WERE EXTRACTED FROM THE HOUSING MARKET OF ANALYSIS FEBRUARY 1992.

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1995 BUDGET REQUEST

### POST ACQUISITION CONSTRUCTION

Program (In Thousands)
FY 1995 Program \$ 61,770
FY 1994 Program \$ 75,070

## Purpose and Scope

The Air Force operates approximately 120,000 family housing units. The average age of housing units in the Air Force inventory is more than 30 years old. Over 60,000 units require improvements or renovation to meet contemporary living standards during the next decade. Many of these units require major expenditures to repair or replace deteriorated mechanical, electrical, or structural components, and to provide some of the modern amenities found in comparable civilian community housing. The Post Acquisition Construction Program provides this needed revitalization. Each project also includes a significant amount of concurrent maintenance and repair to maximize the project cost effectiveness (average per project is 68%).

The Air Force is the acknowledged DoD leader in developing the "whole house" revitalization concept. Whole house is the combination of needed maintenance and repair together with improvements to bring the unit to contemporary standards. In addition, we are looking beyond the house to the entire housing area in our Housing Community Plan. Our "whole neighborhood" concept is being developed and includes the development of neighborhood vehicular and pedestrian circulation concepts to consider siting, density, landscaping, parking, playgrounds, recreation area and utilities, in addition to the housing unit itself.

Consistent with Appropriation Committees' language in FY 85, the Air Force has gathered data on the post acquisition construction projects to detail past projects on these units and any future work being programmed within a three year period. This information is provided as a part of this submittal.

#### Program Summary

Authorization is requested for:

- (1) Various improvements to existing family housing, as described on DD Form 1391.
  - (2) Appropriation of \$ 61,770,000 to fund these projects.

NOTE: Projects within the program are within the statutory limitation of \$50,000 per unit adjusted by area cost factor, except as identified by separate DD Form 1391.

Page No. 426

1. COMPONENT							DATE
	F	Y 1995 MILITARY C			OJECT DA	TA	
AIR FORCE		(compute	er gener				
3. INSTALLATI	ON ANI	LOCATION		4. PRO	JECT TIT	LE	
VARIOUS AIR F			·			ON CONSTR	
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PROJ	ECT NU	MBER 8.	PROJECT	COST (\$000)
8.87.42		711-000		(9500PA	IP		61,770
		9. COS	r estima	TES		1	
						UNIT	COST
2002 2001707	TAN 64	ITEM	<del> </del>	U/M	QUANTIT	COST	(\$000)
POST ACQUISIT			-	UN	810	76,259	61,770
	IMPRO	OVE FAMILY HOUSING	j	ON	810	/0,237	$(\frac{61,770}{61,770}$
SUBTOTAL POTAL CONTRAC	T COS						61,770
TOTAL CONTRACTOTAL REQUEST							61,770
IOIAL KEQUESI						ľ	01,,,0
				- }		}	
							,
						1	
		٠,					1
						1	i
						1	
						1	]
						]	
							1
							1
						1	

- 10. Description of Proposed Construction: Includes all work necessary to revitalize military family housing by providing: air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, solar screens, and more efficient heating and cooling systems. (Continued on next pages.)
- 11. PROJECT: This request is for appropriation of \$61.770 million to accomplish improvements in family housing units.

REQUIREMENT: To revitalize and improve the livability of older, obsolete family housing units, to conserve energy in these older housing units, and to bring utility systems up to current safety standards. Whole-house improvements includes but are not limited to: kitchen upgrades, bathroom additions/upgrades; repair/replacement of roofs, upgrade of mechanical & electrical systems, replacement of windows, doors, floors and exterior improvements (patios, fences, etc.)

CURRENT SITUATION: The majority of these housing units were constructed since the late 1940's using various design and construction criteria, with different types of material, installed equipment, appliances, livability, and appearance. Many utility and structural systems were designed and constructed during years of plentiful, inexpensive energy resources. Insulation, storm windows, etc., not previously cost effective, are now wise investments. This FY 1995 program will prolong the useful life of many of our older, less modern units by enhancing livability, reducing operation costs and improving safety aspects.

ADDITIONAL: These projects meet the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" except as noted on the individual DD Form 1391s.

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES 4. PROJECT TITLE 5. PROJECT NUMBER POST AQUISITION CONSTRUCTION N/A 10. Description of work to be accomplished Current Working Location and Project Estimate (\$000) UNITED STATES **ALABAMA** MAXWELL AFB IMPROVE FAMILY HOUSING 138 PNOS944020 - Improve one General Officer Quarters. Work includes exterior and interior repairs to electrical and mechanical systems, bathrooms, replace kitchen appliances, windows, and water/sewer lines; repair roof, floors, doors, window casing, and fireplace; repaint interior walls; clean brass hardware; relocate telephone wiring; add storage and covered patio; provide landscaping. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None IMPROVE FAMILY HOUSING 2,700 PNOS964019 - Improve 20 Appropriated units (PFY50). Replace electrical system, HVAC, windows, doors, sunrooms floors; upgrade hot water system, sewer line, interior plumbing, light fixtures, sunrooms; repair roofs, interior hardware; refinish hardwood floors; provide new flooring in kitchen, laundry and baths; repaint interior walls, clean brass hardware. Add outside storage; landscaping. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES 4. PROJECT TITLE 5. PROJECT NUMBER POST AQUISITION CONSTRUCTION N/A 10. Description of work to be accomplished Current Working Location and Project Estimate (\$000) **ALASKA** ELMENDORF AFB IMPROVE FAMILY HOUSING 6,168 FXSB944001R2 - Improve 8 each 8-plex. Work includes reorientated kitchens and dining rooms, addition of garages and arctic entries with half baths, remodel bath, bed and living rooms, carpet installation, and repair of siding, roofing and mech/elect systems. Exterior work includes utility upgrade, recreational facilities, pavements landscaping, and walkways. Convert basement to indoor activity room. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. - WORK PROGRAMMED FOR NEXT THREE YEARS: None. **ARKANSAS** LITTLE ROCK AFB IMPROVE GENERAL OFFICER QUARTERS 122 NKAK954001 - Improve one GOQ. Reconfigure living room, dining area, bedrooms, laundry, entry, add bulk storage and modernize kitchen and bathrooms. Convert carport to a garage. Replace flat roof with sloped roof. Replace windows, doors, lighting, electrical system, HVAC, and finishes. Enclose soffits and repair siding. Remove asbestos and abate lead paint. Add net square footage. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY92 Construct Patio \$11.6K; FY92 Repair Porch \$13.2K - WORK PROGRAMMED FOR NEXT THREE YEARS: None.

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES 4. PROJECT TITLE 5. PROJECT NUMBER POST AQUISITION CONSTRUCTION N/A 10. Description of work to be accomplished Current Working Location and Project Estimate (\$000) CALIFORNIA TRAVIS AFB IMPROVE GENERAL OFFICERS QUARTERS 236 XDAT954003 - Improve three General Officer units. Reconfigure kitchen/laundry area; upgrade bathrooms, mechanical and electrical systems. Replace exterior wood doors, including garage; repair windows, replace roof and add insulation, insulate exterior walls; upgrade driveways, off-street parking, landscaping, and irrigation. Remove asbestos and abate lead paint. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY93 Repair Electrical Outlet Box, Replace Carpet, Interior Paint, Repair Ceiling, Landscape \$16.8K - WORK PROGRAMMED FOR NEXT THREE YEARS: None FAMILY HOUSING COMMUNITY IMPROVEMENTS 3,407 XDAT954008P2 - Provide community improvements. Replace sanitary sewage laterals, provide underground storm drainage, alter/widen streets and build new sidewalks, install street lighting, construct additional parking, privacy screening, and detached carports. Provide community parks and tot lots. Plant trees and install underground drip irrigation. Upgrade alarm system in sewage lift station.

- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  VARIOUS AIR FORCE BASES	
4. PROJECT TITLE 5	. PROJECT NUMBER
POST AQUISITION CONSTRUCTION	N/A

10. Description of work to be accomplished

Location and Project

Current Working Estimate (\$000)

## FLORIDA

EGLIN AUX 9 FLD CONVERT SOQ TO GOQ HSG FTEV944010

80

- Convert Senior Officer Quarters to General Officer Quarters by constructing an addition, including dining room, entry, garage and storage area, relocate kitchen and laundry room.

  Replace/relocate air conditioning unit and provide landscaping.

  (Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

#### MARYLAND

ANDREWS AFB
IMPROVE FAMILY HOUSING
AJXF904000R

9,810

- Improve 130 housing units. Renovate kitchens and bathrooms, add/renovate living space, replace windows, mechanical and electrical systems, improve exterior finish, provide patios, privacy fences, and carports. Replace utility service lines to domestic potable water main, improve drainage, landscaping, and signage. Remove asbestos and abate lead paint. (Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT		2. DATE
AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
	ION AND LOCATION	
VARIOUS AIR E	FORCE BASES	
4. PROJECT TI		5. PROJECT NUMBER
POST AQUISITI	ON CONSTRUCTION	N/A
10 Doggania	of work to be proposalished	
TO. Descrif	ption of work to be accomplished	Current Working
1		Estimate (\$000)
-	10000000	
MISSISSIPPI	1	
KEESLER	AFB	
	GENERAL OFFICER HOUSING	85
MAHG95400		
	Senior Officer Quarters to a General Quarters. Project includes interior	
•	of all areas and building systems as well	
	eration of living room, dining room,	
t .	n, baths, and laundry area. Work also	
•	es construction of a den addition, garage,	
•	e driveway, walk, and entrance courtyard.	
	ate DD Form 1391 attached)	
1	COMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PR	ROGRAMMED FOR NEXT THREE YEARS: None	
NEW MEXICO		
CANNON A		c 100
	AMILY HOUSING	6,109
CZQZ90001	. 86 housing units. Includes renovating	
	a and baths, replacing interior lights and	
•	reconfiguring floor plans, improving	
	or and exterior finishes, and repairing	
pavemen	ts. Provides landscaping, playgrounds	
1	reation areas. Includes asbestos and	
•	int removal. Remove and replace privacy	
1	Replaces carports with garages.	
	te DD Form 1391 attached) COMPLISHED IN PREVIOUS THREE YEARS:	
	the past three years, improvements have	
_	ide to 231 units for a total of \$774,302.	
These i	nclude: new exterior finishes, new sloped	
4	front entrances, and window and exterior	
_	g, none of which will be reaccomplished	
1	project.	
- WORK PR	OGRAMMED FOR NEXT THREE YEARS: None.	

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES 4. PROJECT TITLE 5. PROJECT NUMBER POST AQUISITION CONSTRUCTION N/A

10. Description of work to be accomplished

Location and Project

Current Working Estimate (\$000)

#### OHIO

WRIGHT-PATTERSON AFB IMPROVE FAMILY HOUSING ZHTV820016P8

4,700

- Improve 87 Wherry units and 4 SOQs. Work includes new plumbing, electrical, HVAC systems, refinishing interior surfaces, and reconfiguration of functional layout. Improve exterior by installing rear entry steel doors, provide patios, privacy fences, storage sheds and correct drainage. Construct additions to the SOQs to add authorized square footage. Provide radon mitigation.
  - (Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: NONE.
- WORK PROGRAMMED FOR NEXT THREE YEARS: NONE.

#### IMPROVE FAMILY HOUSING MGT OFFICE ZHTV934020

250

- Improve Housing Management Office. Install handicap accessible fixtures and canopy. Paint gable. Provide exterior landscaping. Renovate interior reception area. Upgrade storage area. Replace air handlers and ductwork. Upgrade electrical system, and add more outlets. Add "housing only" parking area.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES 4. PROJECT TITLE 5. PROJECT NUMBER N/A POST AQUISITION CONSTRUCTION 10. Description of work to be accomplished Current Working Estimate (\$000) Location and Project **OKLAHOMA** ALTUS AFB IMPROVE CAPEHART HOUSING 6,600 AGGN934013 - Improve 122 Capehart units. Upgrade electrical, plumbing, heating and air conditioning systems. Alter unit to provide proper kitchen, bathroom, family room, and front entry. Provide storage shed, privacy screening, walkways, gutters, and landscaping. Repair roofing, flooring, and wall finishes. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. - WORK PROGRAMMED FOR NEXT THREE YEARS: None. SOUTH CAROLINA CHARLESTON AFB 4,871 IMPROVE CAPEHART HOUSING **DKFX914036** - Improve 88 Capehart units. Add family rooms and baths, modify laundry room, construct trash screens, renovate kitchens and bathrooms; upgrade utilities, replace windows, roofs, lights, closet doors, flooring, heating, ventilating, and air conditioning systems. Install insulation, reconfigure interiors and remove lead based paint. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT		2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
VARIOUS AIR F	ORCE BASES	
4. PROJECT TI	TLE 5	. PROJECT NUMBER
POST AQUISITI	ON CONSTRUCTION	N/A
FOST AQUISITI	ON CONSTRUCTION	

10. Description of work to be accomplished

Location and Project

Current Working Estimate (\$000)

# SOUTH CAROLINA (CONT) CHARLESTON AFB IMPROVE GENERAL OFFICER QUARTERS DKFX954036C1

100

- Improve one General Officer Quarters. Renovate kitchen and bathrooms, upgrade electrical and mechanical systems, replace windows and doors, replace wood siding and roof, install patio and exterior lighting, landscape. Increase size of bedrooms, kitchen/breakfast area, dining room, and laundry room to net allowable square footage. Remove asbestos and abate lead paint. (Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY92 Landscape \$5.1K; FY93 Install Carpet \$4.8K; FY94 Replace Doors \$11.8K
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

#### **TEXAS**

LAUGHLIN AFB
IMPROVE CAPEHART HOUSING
MXDP947000

3,761

- Improve 62 family housing units. Upgrade kitchen/baths, correct floor plan/unit layout deficiencies, provide second bath as required, upgrade electrical/plumbing systems, replace doors/windows with energy efficient units, insulate ceil- ing and exterior walls, install carpet, paint, repair/treat termite damage provide patio covers, enlarge storage sheds and landscape as required.

  (Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Heating, ventilating and air conditioning systems were replaced in FY 92.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT: 1. DATE
FY 1995 MILITARY CONSTRUCTION PROJECT DATA

13. INSTALLATION AND LOCATION

VARIOUS AIR FORCE BASES

AIR FORCE

4. PROJECT TITLE | 5. PROJECT NUMBER

(computer generated)

POST AQUISITION CONSTRUCTION

N/A

10. Description of work to be accomplished

Location and Project

Current Working Estimate (\$000)

TEXAS (CONT)

RANDOLPH AFB

INSTALL PRIVACY AND BOUNDARY FENCES
TYMX954004

70

- Install privacy fences at one GOQ and three Senior Enlisted Advisor quarter's. Install fences to provide boundary between Chief's quarters and adjacent admin/billeting area and between CGO's quarters and adjacent admin/commercial area. Provide screening fence and concrete pad for GOQ. Provide sidewalk adjustments and repair landscaping as necessary.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

SHEPPARD AFB IMPROVE CAPEHART HOUSING VNVP920023

2,122

- Improve 52 Capehart units. Renovate kitchens/baths, upgrade electrical/plumbing/mechanical systems, enlarge master bedroom closets, provide patios and storage sheds, correct floor plan/unit layout deficiencies, provide family rooms, upgrade/paint interiors, and landscape as required.
  - (Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT		2. DATE
ATR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT	CT DATA
AIR FORCE	(computer generated)	
3. INSTALLATION VARIOUS AIR FOR	N AND LOCATION  RCE BASES	
4. PROJECT TIT	LE	5. PROJECT NUMBER

10. Description of work to be accomplished

Location and Project

Current Working Estimate (\$000)

#### VIRGINIA

LANGLEY AFB
INSTALL FIRE SUPRESSION SYSTEM
MUHJ953009

1,000

- Install a wet-pipe fire suppression system in Bayview Towers Family Housing. Bayview Towers is a ten-story high-rise family housing facility. Work will be in accordance with National Fire Protection Agency (NFPA) Code 13/13R.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: MUHJ890217, Maintain Common Areas and Hallways, FY90.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

#### WYOMING

F E WARREN AFB
IMPROVE HOUSING MANAGEMENT OFFICE
GHLN937046

180

- Alter the exterior of the existing facility and install new 10 ton air conditioning system.
   Install brick fascia, install canopy over handicapped ramp, and alter roof.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES 4. PROJECT TITLE 5. PROJECT NUMBER POST AQUISITION CONSTRUCTION N/A 10. Description of work to be accomplished Current Working Location and Project Estimate (\$000) **OVERSEAS AUSTRALIA** WOOMERA AS IMPROVE FAMILY HOUSING 440 ZGTT954002 - Improve 6 family housing units. Renovate kitchen and baths; replace HVAC, electrical wiring and fixtures, plumbing and fixtures, doors and windows, ceilings, and weatherize with insulation; repaint interior; landscape yards and install sprinkler system. Do all appurtenant work. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None **GUAM** ANDERSEN AFB IMPROVE FAMILY HOUSING 8,821 AJJY954403R1 - Improve 81 family housing units. Work includes enlarging the master bedroom, modernizing kitchen and bathrooms, repairing entire plumbing and electrical systems; construction of outside storage, installation of package A/C system, removal of asbestos. Whole neighborhood renovation includes construction (ie, bus shelters, playgrounds, and sidewalks). - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1995 BUDGET REQUEST

# POST ACQUISITION CONSTRUCTION PROJECTS (over \$50,000 per unit)

A separate DD Form 1391 follows for each Post Acquisition Construction project which is over \$50,000 per unit (multiplied by the Area Cost Factor).

1. COMPONENT										2. DATE
	F:	Y 1995 MILIT	ARY C	ONSTRUC:	rio	N PR	OJECT	DAT	A	
AIR FORCE			omput	er gener	rat	ed)				
3. INSTALLATIO	INA NO	D LOCATION			4.	PRO	JECT 1	CITL	E	
MAXWELL AIR FO				Ta ====				_	HOUSING	
5. PROGRAM ELE	MENT	6. CATEGORY	CODE	/. PRO	JEC.	r NU	MBER	8.	PROJECT	COST(\$000
8.87.42		711-144		DNO	0.4	4020				120
0.07.42				r ESTIMA		4020				138
			. cos.	r ESIIM	116.	<u> </u>	<del></del>		UNIT	COST
		ITEM				II /M	QUANT	ידיי	I	(\$000)
MPROVE FAMILY	HOUS					UN	SOWAI	1	127,50	
SUBTOTAL		m						•	127,30	$\frac{128}{128}$
CONTINGENCY (5	8)									
TOTAL CONTRACT		r								134
SUPERVISION, I			ERHEAL	(3%)						4
TOTAL REQUEST				, ,						138
										1
		•	\$138	3,000						
REA COST FACT	OR		·	0.77						
REA COST FACTO	OR on of	Proposed Co	nstru	0.77						
REA COST FACTOR OF THE COST FACT	OR on of k inc	Proposed Co	onstru or an	0.77 oction: d inter	ior	rep	airs	to e	lectri	cal and
REA COST FACT 0. Description puarters. Work mechanical system	OR on of k inc tems,	Proposed Co cludes exteri bathrooms,	onstru lor an	0.77 oction: d inter ce kitc	ior hen	rep	airs lianc	to e es,	lectri window	cal and
DESCRIPTION OF TACTOR OF THE PROPERTY OF THE P	OR on of k inc tems, nes;	Proposed Co ludes exteri bathrooms, repair roof,	onstru lor an repla	0.77 action: ad inter ace kitc ers, doo	ior hen rs,	rep app win	airs lianc dow c	to e es, asin	lectri window g, and	cal and
OST EXPENSIVE AREA COST FACTO O. Description of the contract o	OR on of k inc tems, nes; aint	Proposed Co ludes exteri bathrooms, repair roof, interior wal	onstru lor an repla floo	0.77 action: ad inter ace kitc ars, doo lean br	ior hen rs, ass	rep app win har	airs lianc dow c dware	to e es, asin ; re	lectri window g, and locate	cal and

11. PROJECT: Provides for improvements and repairs to one General Officer Quarters.

REQUIREMENT: This project is required to provide adequate quarters for a general officer and family assigned to this installation. This is the fifth phase of a 7-phase program which will renovate a total of 6 units. (Phase 1 is programmed for FY 90; phase 2 cancelled; phase 3 is programmed for FY 92; phase 4 through phase 7 are programmed for FY 93 through FY 96). The project scope is in accordance with "whole house" standards and is programmed in accordance with the Housing Community Plan. CURRENT SITUATION: These quarters were constructed in the 1930's. They do not meet current Air Force criteria on energy conservation. heating, ventilation, and air conditioning systems are two different systems that do not provide adequate or efficient service. electrical system has deteriorated and presents a safety hazard. The doors and windows have been painted repeatedly over the years and do not open or close properly. The bathroom tiles are cracked and broken. roof has deteriorated and portions of the deck need replacement. Covered patio was added to the quarters during the 1960's and is in dire need of repairs and is not architecturally compatible with the quarters. The internal telephone wiring throughout the home is mounted along the baseboards of the walls. The roof has severe leaks. This unit has

1.	COMPONENT		2. DATE
		FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
AII	RFORCE	(computer generated)	
3.	INSTALLATI	ION AND LOCATION	

MAXWELL AIR FORCE BASE ALABAMA

4. PROJECT TITLE

5. PROJECT NUMBER

IMPROVE FAMILY HOUSING

PNQS944020

inadequate space for storage.

IMPACT IF NOT PROVIDED: Excessive maintenance, repair and energy costs will continue to be incurred due to age and deterioration of the building systems. The roof will enter a failure mode, requiring ever increasing piecemeal repair and developing structural damage due to water leakage. The facility will continue to deteriorate until it can no longer be safely

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: This housing unit is on the national register for historical preservation. This project meets the criteria/scope specified in Part II of Military Handbook 1190, Facility Planning and Design Guide.

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE IMPROVE FAMILY HOUSING MAXWELL AIR FORCE BASE, ALABAMA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) PNQS964019 2,700 711-144 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) IMPROVE FAMILY HOUSING UN 124,800 2,496 SUBTOTAL 2,496 125 CONTINGENCY (5%) 2,621 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (3%) 79 2,700 TOTAL REQUEST MOST EXPENSIVE UNIT \$182,625 AREA COST FACTOR 0.77 10. Description of Proposed Construction: Improve 20 Appropriated units (PFY50). Replace electrical system, HVAC, windows, doors, sunrooms floors; upgrade hot water system, sewer line, interior plumbing, light fixtures, sunrooms; repair roofs, interior hardware; refinish hardwood floors; provide new flooring in kitchen, laundry and baths; repaint interior walls, clean brass hardware. Add outside storage; landscaping. 11. PROJECT: Provides for improvements and repairs to 20 Appropriated (PFY50) military family housing Senior Officer Quarters (SOQ). REQUIREMENT: This project is required to provide modern, energy efficient, and low maintenance housing units for senior officers and their families. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the sixth phase of a 9-phase program which will renovate a total of 93 SOQ units. CURRENT SITUATION: These quarters were constructed in the 1930's. do not meet current Air Force criteria on energy conservation. The heating, ventilation, and air conditioning systems are two different systems that do not provide adequate or efficient service. The interior electrical systems have deteriorated and present a safety hazard. The doors and windows have been painted repeatedly over the years and do not open or close properly. The bathroom tiles are cracked and broken. The roofs have deteriorated and portions of the decks need replacement. These units have inadequate space for storage of personal belongings and household items forcing occupants to store flammables indoors and causing tremendous living inconvenience. In addition to high utility costs, maintenance of these facilities are abnormally high and will continue to escalate if units are not improved. IMPACT IF NOT PROVIDED: Air Force members and their families will be

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION	N AND LOCATION	
MAXWELL AIR FOR	RCE BASE. ALABAMA	

4. PROJECT TITLE

5. PROJECT NUMBER

IMPROVE FAMILY HOUSING

PNQS964019

forced to live in substandard housing causing major morale problems for the occupants and hindering the mission of the base. Without this and subsequent phases of this initiative, repairs to these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement to quality of life.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. These quarters have been placed on the national register for historical preservation. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE

ELMENDORF AIR FORCE BASE, ALASKA

IMPROVE FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

8.87.42

711-143

FXSB944001R2

6,168

9. COST EST	IMATES			
			UNIT	COST
ITEM	ַע/ש	QUANTITY	COST	(\$000)
IMPROVE FAMILY HOUSING	UN	64	54,860	3,511
SUPPORTING FACILITIES		:		2,192
UTILITIES	LS			( 765)
RECREATIONAL FACILITIES	LS			( 366)
LANDSCAPING	UN	72	2,013	( 145)
PAVEMENTS	SY	10,000	27	( 270)
FIRE SPRINLER	UN	64	5,500	( 352)
ASBESTOS REMOVAL	UN	72	3,277	( 236)
DEMOLITION	เบท	8	7,250	(58)
SUBTOTAL			[	5,703
CONTINGENCY (5%)	ĺ			285
TOTAL CONTRACT COST	į .			5,988
SUPERVISION, INSPECTION AND OVERHEAD (3%	)			180
TOTAL REQUEST			ŀ	6,168
MOST EXPENSIVE UNIT \$100,000				
AREA COST FACTOR 1.69	1			

- 10. Description of Proposed Construction: Improve 8 each 8-plex. Work includes reorientated kitchens and dining rooms, addition of garages and arctic entries with half baths, remodel bath, bed and living rooms, carpet installation, and repair of siding, roofing and mech/elect systems. Exterior work includes utility upgrade, recreational facilities, pavements landscaping, and walkways. Convert basement to indoor activity room.
- 11. PROJECT: Improve 64 family housing units.

REQUIREMENT: Military Family Housing units must be upgraded to Air Force standards for size, safety, maintainability, appearance, and comfort. JNCO's are authorized 950 SF 2 - bedroom, 1 1/2 bathroom units, including half baths on the first floor in two story units. Attached garages, arctic entries, and adequate storage are essential for winter survival in Alaska. Private yards, improved parking, attractive landscaping, and recreational facilities (i.e., playgrounds for children, picnic shelters for families) are needed to develop a neighborhood that respects individual privacy and ensures community unity and involvement. Modern and reliable utility systems are required to provide the basic essentials of living: heat, electricity, water and sanitation. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: Units were constructed in 1954 and have not been renovated. Their 842 NSF makes them minimally adequate for JNCOs. There are no garages and bulk storage space is minimal. Occupants must therefore store lawn, automotive, and flammable materials in their small basements, thus creating fire hazards and great inconvience. All entries to the units from the parking area must pass through small, substandard kitchens. The dining room is only 8'-7" wide. The living room is

1. COMPONENT	1995 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND	LOCATION	
ELMENDORF AIR FORCE	BASE, ALASKA	
4. PROJECT TITLE	5.	PROJECT NUMBER

IMPROVE FAMILY HOUSING

FXSB944001R2

bisected by entry/stair traffic, making furniture placement and room usage difficult. The 2nd floor bathroom is poorly laid out with inadequate lavatory and storage space, and antiquated fixtures. No bathroom exists on the first floor. Utilities provide inadequate, inefficient, and often unsafe service at increasing maintenance costs. Neighborhoods contain no playgrounds, sparse landscaping, and broken sidewalks. Open court parking is congested and individual units lack any exterior privacy. There is no sense of community or home.

IMPACT IF NOT PROVIDED: Unrenovated and without garages, these MFH units will continue to deteriorate. Maintenance, repair and operations costs of these quarters will continue to increase due to the age and deterioration of the building systems. The Air Force will continue to fund excessive maintenance and energy costs. The units will continue to deteriorate until they become uninhabitable. Failure to provide adequate housing will result in higher out of pocket expenses, and lower morale and retention. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. The initial cost percentage of improvement versus replacement cost is 49 percent.

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE IMPROVE GENERAL OFFICER LITTLE ROCK 'IR FORCE BASE, ARKANSAS QUARTERS 5. PROGRAV ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 711-111 NKAK954001 8.87.42 122 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) IMPROVE GENERAL OFFICER QUARTERS 106,000 106 2,800 300 SUPPORTING FACILITIES 6 LS (3) **ASBESTOS REMOVAL** LS LEAD PAINT ABATEMENT 3) SUBTOTAL 112 CONTINGENCY (5%) 6 118 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (3%) 122 TOTAL REQUEST MOST EXPENSIVE UNIT \$122,000 AREA COST FACTOR 0.79 10. Description of Proposed Construction: Improve one GOQ. Reconfigure living room, dining area, bedrooms, laundry, entry, add bulk storage and modernize kitchen and bathrooms. Convert carport to a garage. Replace flat roof with sloped roof. Replace windows, doors, lighting, electrical system, HVAC, and finishes. Enclose soffits and repair siding. Remove asbestos and abate lead paint. Add net square footage. 11. PROJECT: Improve 1 Capehart General Officer unit. REQUIREMENT: Provide adequate quarters for a general officer and family meeting whole house standards. CURRENT SITUATION: Implementation of the Air Force Objective Wing concept created a new general officer position at this base and a general officer is now assigned as the Wing Commander. The existing unit has received no major renovation or upgrades since its construction in 1958. The kitchen configuration creates a circulation problem, and with the washer and dryer located in the kitchen, there is unusable space. Three of the four bedrooms and their closets are undersize. Bathrooms have dated ceramic tile floors, wainscot, and vanity cabinets. Dining area is undersize. Heat pump, water heater and plumbing fixtures are at the end of their useful life. Below slab sanitary sewage lines have deteriorated and need to be replaced. Bathroom receptacles lack ground-fault circuit-interrupter or circuit breaker, and unit wiring lacks ground conductor. Flat carport roof is leaking, causing the plywood deck to rot. Paint on wood fascia is peeling. Windows require replacement. Net square footage will be increased to authorized amount. IMPACT IF NOT PROVIDED: Unit will continue to deteriorate, exacerbating maintenance and repair costs. Energy consumption will increase due to age

and deterioration of inadequate and inefficient building systems. Utility

	1. COMPONENT	2. DATE
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA	
	AIR FORCE (computer generated)	
	3. INSTALLATION AND LOCATION  LITTLE ROCK AIR FORCE BASE, ARKANSAS	
•		PROJECT NUMBER
	IMPROVE GENERAL OFFICER QUARTERS	NKAK954001

costs will continue to increase. Unit will become uninhabitable. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY92 Construct Patio \$11.6K; FY92 Repair Porch \$13.2K

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL: Project is IAW Housing Community Plan. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitization was found to be the most cost effective over the life of the project. The initial cost of improvement is 68.9% of replacement cost.

1. COMPONENT	FY 1995 MILITARY CONST	RUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer o		_
3. INSTALLATIO	N AND LOCATION  CE BASE, CALIFORNIA	4. PROJECT TITLE IMPROVE GENERAL OFF QUARTERS	ICERS
5. PROGRAM ELE	MENT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PROJ	ECT COST(\$000)

8.87.42 711-143 XDAT954003 236
9. COST ESTIMATES

9. COST ESTIMATES									
				UNIT	COST				
ITEM		U/M	QUANTITY	COST	(\$000)				
IMPROVE GENERAL OFFICERS QUARTER	ls	UN	3	67,800	203				
SUPPORTING FACILITIES					15				
ASBESTOS REMOVAL		UN	3	1,000	( 3)				
LEAD PAINT ABATEMENT		UN	3	4,000	(_12)				
SUBTOTAL		j l			218				
CONTINGENCY (5%)					_11				
TOTAL CONTRACT COST					229				
SUPERVISION, INSPECTION AND OVER	HEAD (3%)				7				
TOTAL REQUEST					236				
			ſ	Í					
:		1 1	1						
		1 1	i						
MOST EXPENSIVE UNIT	\$88,916								
AREA COST FACTOR	1.37	} }			ļ				

10. Description of Proposed Construction: Improve three General Officer units. Reconfigure kitchen/laundry area; upgrade bathrooms, mechanical and electrical systems. Replace exterior wood doors, including garage; repair windows, replace roof and add insulation, insulate exterior walls; upgrade driveways, off-street parking, landscaping, and irrigation. Remove asbestos and abate lead paint.

11. PROJECT: Improve 3 appropriated General Officer units.

REQUIREMENT: Project is required to provide adequate quarters for the Travis Wing Commander and two Numbered Air Force Commanders. Units require modernization to provide energy efficient and low maintenance housing. All units will meet "whole house" standards and are programmend in accordance with the Housing Community Plan.

CURRENT SITUATION: Implementation of the Air Force Objective Wing concept created a new general officer position at this base and a general officer is now assigned as the Wing Commander. One unit was constructed in 1957, the other two units in 1962; all have received only minor improvements, maintenance and repairs. Existing roof slope is insufficient and roof and siding is uninsulated. Kitchen and laundry room layout is inefficient. Two units lack family rooms. Mechanical system has exceeded useful life expectancy and requires replacement, along with outdated ducting. Electrical system does not conform to current code. Bathroom fixtures and flooring and driveways require replacement. Off-street parking is minimal.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate, exacerbating maintenance and repair costs. Energy consumption will increase due to age and deterioration of inadequate and inefficient building systems. Utility costs will continue to increase. Units will become uninhabitable.

1. COMPONENT		2. DATE					
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA						
AIR FORCE	(computer generated)						
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA							
4. PROJECT TI	TLE 5	. PROJECT NUMBER					
IMPROVE GENER	AL OFFICERS QUARTERS	XDAT954003					

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY93 Repair Electrical Outlet Box, Replace Carpet, Interior Paint, Repair Ceiling, Landscape \$16.8K WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: This project is programmed in accordance with the Housing Community Plan and meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT										2.	DATE
	FY	1995 MI	LITARY C	ONSTRUC	TIO	N PR	OJECT	DAT	A		
AIR FORCE			(comput	er gene	rate	ed)					
3. INSTALLATIO	N AND	LOCATIO	N		4.	PRO	JECT :	ritL:	E		
					CO	VER'	T SEN	IOR (	OFFICE	ER (	QUARTRS
EGLIN AUX FIEL									CER QU		
5. PROGRAM ELE	MENT	6. CATEGO	DRY CODE	7. PRO	JEC1	וטא ז	MBER	8. 1	PROJEC	T (	COST (\$000
0.03.40											
8.87.42		711-				1010					80
		·	9. COS	r estim	ATES	<u> </u>	τ		T		
		****				/			TINU	•	COST
201111111111111111111111111111111111111		ITEM					QUANT	TITY	COST	:	(\$000)
CONVERT SOQ TO	-					LS					59
SUPPORTING FAC	ILITII	ES									15
GARAGE						SF	4	100		20	( 8
DEMOLITION					- 1	LS					( 2
LANDSCAPING						LS	ļ				( 1
PAVEMENT SUBTOTAL						LS			i		( <u>4</u>
					ŀ						74
CONTINGENCY (5	-				I						<u>4</u> 78
TOTAL CONTRACT COST					l						
SUPERVISION, INSPECTION AND OVERHEAD (3%) TOTAL REQUEST									2		
TOTAL KEQUEST											80
					- {					- {	
					-					l	
					- 1						
					- 1					- 1	

10. Description of Proposed Construction: Convert Senior Officer Quarters to General Officer Quarters by constructing an addition, including dining room, entry, garage and storage area, relocate kitchen and laundry room. Replace/relocate air conditioning unit and provide landscaping.

\$80,000

0.83

Air Conditioning: 5 Tons.

MOST EXPENSIVE UNIT

AREA COST FACTOR

2,310 ADEQUATE: 11. REQUIREMENT: 1,780 SUBSTANDARD: PROJECT: Add to and convert Senior Officer's Quarters to Installation

Commander General Officer's Quarters.

REQUIREMENT: Project is required to provide adequate quarters for the installation commander and his family. Additional space is required for entertaining and official functions. A larger kitchen and additional storage is also needed. Adequate General Officer unit is required for new General Officer position. Improved building systems including heating, ventilating and air conditioning systems, insulation, window and door hardware, electrical and plumbing fixtures, and energy efficient appliances are required.

CURRENT SITUATION: This unit was constructed in 1957 and received some improvements in 1988 making it a more economical unit to convert to a General Officer Unit than alternatives. However, the unit does not offer sufficient square footage authorized for a General Officer Quarters. kitchen and dining rooms are too small to accommodate the number of persons expected at installation commander's functions, including visiting general officers and high ranking civilians. There is no other housing unit that can be used or converted to a GOQ without additional construction work.

IMPACT IF NOT PROVIDED: The Wing Commander will not be able to perform

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION	AND LOCATION	
EGLIN AUX FIELD	9, FLORIDA	
4. PROJECT TITLE	5. P	ROJECT NUMBER

duties effectively or efficiently in an undersized and substandard unit. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

QUARTERS

CONVERT SENIOR OFFICER QUARTRS TO GENERAL OFFICER

ADDITIONAL: This project was unforeseen when the Housing Community Plan was developed. The Installation Commander's position has been upgraded from Colonel to Brigadier General. The proposed project will provide adequate housing for the general officer for 25 years, without additional major investments other than routine and cyclical repairs. An economic analysis has been prepared at Hurlburt Field comparing the alternatives of new construction, revitalization, and raze & build. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

FTEV944010

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE ANDREWS AIR FORCE BASE, MARYLAND IMPROVE FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 8.87.42 711-143 AJXF904000R 9,810

9 COST ESTIMATES

	9. COST ESTIMAT	ES			
				UNIT	COST
ITEM		U/M	QUANTITY	COST	(\$000)
IMPROVE FAMILY HOUSING		LS			7,855
HOUSING UNITS		UN	110	63,610	(6,997)
HOUSING UNITS		UN	20	42,900	( 858)
SUPPORTING FACILITIES					1,215
UTILITIES		LS			( 300)
DEMOLITION & DISPOSAL		LS			( 264)
DRAINAGE		LS			( 207)
ASBESTOS/LEAD PAINT ABATEME	ENT	LS	į		( 217)
LANDSCAPING & SIGNAGE		LS			(227)
SUBTOTAL					9,070
CONTINGENCY (5%)			j	]	454
TOTAL CONTRACT COST		. [		ļ	9,524
SUPERVISION, INSPECTION AND C	VERHEAD (3%)	1			286
TOTAL REQUEST					9,810
		}			
		}	j	J	
MOST EXPENSIVE UNIT	\$90,500			İ	
AREA COST FACTOR	1.05	1 _ 1			

- 10. Description of Proposed Construction: Improve 130 housing units. Renovate kitchens and bathrooms, add/renovate living space, replace windows, mechanical and electrical systems, improve exterior finish, provide patios, privacy fences, and carports. Replace utility service lines to domestic potable water main, improve drainage, landscaping, and signage. Remove asbestos and abate lead paint.
- 11. PROJECT: Improve 130 Junior NCO Appropriated housing units. REQUIREMENT: Provide adequate housing and neighborhoods for military members and their families meeting "whole house" standards. CURRENT SITUATION: These wood-frame, concrete slab on grade units were constructed in 1966 and have received only routine maintenance and repair since construction. Kitchens lack dishwashers, have insufficient countertop and cabinet area, and wood cabinets are dated. 4-bedroom units have vinyl asbestos tile flooring in kitchen, bedrooms, halls, and living and dining rooms. Bathrooms lack vanities. No family rooms exist. Gas-fired water heater, furnace, range, plumbing fixtures, and air conditioner are nearing the end of their useful life and are energy inefficient. The bathroom and outdoor outlets have no ground-fault circuit interrupters, electric panel is located in the kitchen, and circuit breakers are not reliable. Windows need to be replaced with vinyl-clad wood with insulating glass and screen. All exterior wood siding, fascia and trim need to be replaced. Bathroom wall covering, ceramic tile, tub, shower, and fixtures need to be replaced. Covered off-street parking is not provided.

IMPACT IF NOT PROVIDED: Major morale problems will result because military members and their families will continue to occupy substandard housing. The housing units will become uninhabitable through

1. COMPONENT			2. DI	ATE
AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJE (computer generated)	CT DATA	1	
3. INSTALLATION			1	<del></del> -
4. PROJECT TITL	.E	5.	PROJECT	NUMBER
IMPROVE FAMILY	HOUSING	ł	AJXF9040	OOOR

deterioration. Maintenance and utility costs will continue to escalate. Without this and subsequent projects, repairs will continue to be accomplished out of necessity, in a very costly, piecemeal fashion, with no improvement to quality of life.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: Project is progammed in accordance with the Housing Community This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project.

1. COMPONENT	FY 1995 MILITARY CONSTRUC	CTION PROJECT DATA	2. DATE
AIR FORCE	(computer gene	erated)	
	N AND LOCATION  RCE BASE, MISSISSIPPI	4. PROJECT TITLE IMPROVE GENERAL OFF HOUSING	ICER
5. PROGRAM ELE	MENT 6. CATEGORY CODE 7. PRO	DJECT NUMBER 8. PROJ	ECT COST(\$000)

711-111

MAHG954007

9. COST EST	<u> IMATES</u>			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
IMPROVE GENERAL OFFICER CAPEHART UNIT	UN	1		65
ADDITION	SF	437	61	(27)
IMPROVEMENT	SF	1,663	23	(38)
SUPPORTING FACILITIES				10
SITE IMPROVEMENTS	LS			(8)
UTILITIES	LS			(_2)
SUBTOTAL				75
CONTINGENCY (10%)		1		. <u>8</u> 83
TOTAL CONTRACT COST			:	
SUPERVISION, INSPECTION AND OVERHEAD (39	5)			<u>2</u> 85
TOTAL REQUEST	1	}		85
		i		
	j	)		
MOST EXPENSIVE UNIT \$85,000	,			
AREA COST FACTOR 0.84		}		

- 10. Description of Proposed Construction: Convert Senior Officer Quarters to a General Officer Quarters. Project includes interior repair of all areas and building systems as well as alteration of living room, dining room, kitchen, baths, and laundry area. Work also includes construction of a den addition, garage, concrete driveway, walk, and entrance courtyard.
- 11. PROJECT: Convert a Senior Officer's Quarters (SOQ) to a General Officer's Quarters (GOQ).

REQUIREMENT: Provide adequate housing for general officer commanding a new mission at Keesler AFB. The 2nd Air Force will be headquartered at Keesler AFB and was activated on 1 Jul 93 as part of the Air Education and Training Command (AETC) standup. Conversion of a Senior Officer Quarters to a General Officer Quarters is required housing the 2nd Air Force Commander. All work proposed is needed for the Commander to effectively and efficiently carry out commissioned duties.

CURRENT SITUATION: Keesler AFB currently has only one MFH unit which meets General Officer standards and it is utilized to meet the current GOQ requirement. SOQ adjacent to the existing GOQ is the most appropriate location to house the incoming general officer and is the unit which will be improved by this project. In order to provide adequate quarters that meet standards for a General Officer, expansion and renovation of the unit is required. The existing unit is 437 SF short of authorized space for a GOQ. The existing unit is approaching 30 years in age. Building systems such as electrical, mechanical, roofing, plumbing, door and window hardware are deteriorated. The unit does not energy saving insulation or utility systems that meet standards.

IMPACT IF NOT PROVIDED: New General Officer will be housed in a unit with

85

8.87.42

1. COMPONENT		?. DATE						
	FY 1995 MILITARY CONSTRUCTION PROJECT DATA							
AIR FORCE	(computer generated)							
3. INSTALLAT	ON AND LOCATION							
ĺ								
KEESLER AIR FORCE BASE, MISSISSIPPI								
4. PROJECT T	TLE 5	. PROJECT NUMBER						
f								
IMPROVE GENER	VAL OFFICER HOUSING	MAHG954007						

size and configuration that do not meet authorized standards. The effectiveness and efficiency of performance of commissioned duties as Commander will be compromised. The Air Force will continue to incur excessive maintenance and repair costs and pay high utility bills due to the age and deteriortation of the facility.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: The work will increase the net square footage by 437 SF from 1663 SF to 2100 SF. The initial cost for this improvement project is 68% of the initial cost of a replacement project. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitilization was found to be the most cost effective over the life of the project.

1. COMPONENT										2.	DATE
}	F	Y 1995 MILITARY	СО	NSTRUC:	rioi	N PR	OJECT	DAT	A		
AIR FORCE				r gener					İ		
3. INSTALLATION	ANI	LOCATION			4.	PRO.	JECT :	ritL:	E		
					ĺ						
CANNON AIR FORCE									HOUSIN		
5. PROGRAM ELEM	ENT	6. CATEGORY CO	DE	7. PRO	JECT	וטא ז	MBER	8.	PROJEC	T (	COST (\$000
			1								
8.87.42		711-143	$\perp \perp$	CZQ	2900	014					6,109
		9. C	OST	ESTIM	ATES	5					
									UNIT		COST
······································		ITEM				U/M	QUANTITY COS		COST		(\$000)
IMPROVE FAMILY	HOUS	SING - PHASE 2				UN	]	86	42,7	30	3,675
SUPPORTING FACI	LITI	ES					!				1,974
LANDSCAPING &	PR1	VACY FENCING				LS	1		1		( 401
RECREATION					1	LS				1	( 150
SITE PREPARAT	ION				- [	LS					( 95
ROADS & PAVIN	G					LS			İ		( 145
UTILITIES					Ì	LS			ł		( 195
GARAGES AND STORAGE					- 1	UN		86	5,1	74	( 445
DEMOLITION, ASBESTOS & LBP REMOVAL					ľ	LS				- 1	(543
SUBTOTAL					l					Ī	5,649
CONTINGENCY (5%)					- 1					Ì	282
TOTAL CONTRACT COST								ļ			5,931
SUPERVISION, IN	SPEC	TION AND OVERH	EAD	(3%)				1		ĺ	178
TOTAL REQUEST							j				6,109

10. Description of Proposed Construction: Improve 86 housing units. Includes renovating kitchen and baths, replacing interior lights and wiring, reconfiguring floor plans, improving interior and exterior finishes, and repairing pavements. Provides landscaping, playgrounds and recreation areas. Includes asbestos and lead paint removal. Remove and replace privacy fencing. Replaces carports with garages.

\$85,682

1.10

11. PROJECT: Improve 86 Family Housing Units.

REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Cannon AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Improved units will provide a safe, comfortable, and appealing living environment comparable to off-base communities. This is the second of multiple phases to improve 190 housing units for base personnel, 840 units have already been upgraded and 331 will be completed in subsequent phases. These improvements will provide a modern kitchen, living room, and bath configuration with ample interior and exterior storage. Exterior parking will be provided for a second vehicle. The neighborhood support infrastructure will be upgraded to meet modern living needs including, landscaping, playgrounds, and recreation areas.

CURRENT SITUATION: This project improves units which are over 38 years old and are showing the effects of age and continuous heavy use. Units have had no major upgrades since construction and do not meet the needs of today's families, nor do they provide a modern home environment. Kitchens are narrow and dark, and do not provide adequate cabinet and counter top space. Washing machines and dryers are located in the kitchens causing a lack of ample work space for performing household chores. The bathrooms

MOST EXPENSIVE UNIT

AREA COST FACTOR

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATAIN FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION	
CANNON AIR FORCE BASE, NEW MEXICO	
4. PROJECT TITLE	5. PROJECT NUMBER
THOROUG PANTLY HOUSING	C707900014

are very small and in poor condition. Bathroom fixtures are outdated and energy inefficient. The interior of outside walls is uninsulated painted masonry block, and interior partition walls are inferior grade wallboard. The ceiling is an exposed wood beam/slat material. Lighting in hallways, bathrooms, and bedrooms is inadequate. The exteriors of these units lack landscaping and have no covered patio for protection from the sun when outside. Off street parking is severely limited, and traffic flow in and around housing area is inefficient.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, unsuitable and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increasing and unacceptable maintenance and repair costs, and extreme hardship to the occupants. Without this and subsequent phases of this initiative, repairs of these units will continue in a costly, piecemeal fashion, with little or no improvement in living quality. Low morale and retention problems can be expected if such conditions are permitted to continue.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: During the past three years, improvements have been made to 231 units for a total of \$774,302. These include: new exterior finishes, new sloped roofs, front entrances, and window and exterior painting, none of which will be reaccomplished in this project.

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT

FY 1995 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

WRIGHT-PATTERSON AIR FORCE BASE, OHIO

IMPROVE FAMILY HOUSING

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

8.87.42

711-121

ZHTV820016P8

4,700

9. COST ESTIMATES

UNIT COST

J. COS1 ES1	*******			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
IMPROVE FAMILY HOUSING	LS			3,434
WHERRY FAMILY HOUSING	UN	87	34,510	(3,002)
ADD/ALTER SENIOR OFFICER HOUSING	UN	4	108,000	( 432)
SUPPORTING FACILITIES	J	i .		912
OFF STREET PARKING	LS			( 132)
AREA LIGHTING	LS			( 141)
RECREATION	LS		1	( 81)
FIRE SPRINKLERS	LS			(558)
SUBTOTAL				4,346
CONTINGENCY (5%)				217
TOTAL CONTRACT COST	1		ļ	4,563
SUPERVISION, INSPECTION AND OVERHEAD (3%	) ]			137
TOTAL REQUEST				4,700
MOST EXPENSIVE UNIT \$157,000				
AREA COST FACTOR 1.00				

- 10. Description of Proposed Construction: Improve 87 Wherry units and 4 SOQs. Work includes new plumbing, electrical, HVAC systems, refinishing interior surfaces, and reconfiguration of functional layout. Improve exterior by installing rear entry steel doors, provide patios, privacy fences, storage sheds and correct drainage. Construct additions to the SOQs to add authorized square footage. Provide radon mitigation.
- 11. PROJECT: Provide "whole house" improvements to 87 Wherry housing units and 4 Senior Officers housing units.

REQUIREMENT: Adequate living quarters are required for families of military members assigned to this base. Improvements needed to Wherry housing units include installation of rear entry steel doors, patios with screens for occupants' privacy, and area improvements to facilitate family ricreation, safety and quality of life. Additional living space along with minor reconfiguration and upgrade of utilities in the existing structures are necessary to bring these units up to the livability standards of similiar quarters both on and off base. Upgrade of electrical, plumbing and HVAC systems is needed to comply with Air Force and National building codes and to improve safety, reliability and economy of operation. To meet current family requirements, 31 oversized 4/5 bedroom units are being converted to 62 - 2 bedroom units to address the base's deficit of 2 bedroom units.

CURRENT SITUATION: The Wherry units were constructed in 1950's and have had no major improvements since original construction. Due to exposure to weather conditions and heavy usage the rear entry wooden doors have deteriorated. Because of the high density of this development, the occupants have no outdoor privacy. The SOQs were constructed in 1935 and are located in a proposed historic district. They have had only routine

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO					
4. PROJECT TITLE 5	. PROJECT NUMBER				
IMPROVE FAMILY HOUSING	ZHTV820016P8				

repairs and minor improvements. The wiring and plumbing consist of orginal system in both the Wherry and SOQ units mixed with some newer material added over the years. The existing room layouts in these units are cramped and poorly arranged. The SOQs are well below the authorized 1700 NSF. The proposed additions will provide a master bedroom with bath and family room. Two types of Wherry housing units require additions of approximately 344 square feet to reach the authorized space and internal renovation and reconfiguration to meet current housing standards. Accoustical and thermal insulation is also required.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in unsuitable conditions, affecting morale and the retention of quality experienced personnel. These units will continue to deteriorate past the point of repair, resulting in loss of valuable economic assets to the Air Force.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: NONE.

WORK PROGRAMMED FOR NEXT THREE YEARS: NONE.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of replacement construction, improvement, leasing and status quo operation. Based on the net present value and benifits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE IMPROVE CAPEHART HOUSING ALTUS AIR FORCE BASE, OKLAHOMA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 8.87.42 711-111 AGGN934013 6,600 9. COST ESTIMATES UNIT COST (S000) ITEM U/M QUANTITY COST IMPROVE CAPEHART HOUSING PHASE 5 OF 5 6,103 49,600 (6,051)UNIT IMPROVEMENTS UN 122 UN 122 425 ( 52) **ASBESTOS REMOVAL** 6,103 SUBTOTAL 305 CONTINGENCY (5%) 6,408 TOTAL CONTRACT COST 192 SUPERVISION, INSPECTION AND OVERHEAD (3%) 6,600 TOTAL REQUEST MOST EXPENSIVE UNIT \$101,558 AREA COST FACTOR 0.86 10. Description of Proposed Construction: Improve 122 Capehart units. Upgrade electrical, plumbing, heating and air conditioning systems. unit to provide proper kitchen, bathroom, family room, and front entry. Provide storage shed, privacy screening, walkways, gutters, and landscaping. Repair roofing, flooring, and wall finishes. PROJECT: Improve 122 family housing units. REQUIREMENT: Provide adequate housing for military members and their families meeting "whole house" standards and are programmed in accordance with the Housing Community Plan. This project is the fifth of a 5 phase program to improve Capehart housing at Altus AFB. CURRENT SITUATION: These units were constructed in 1957 and have received only routine maintenance and repair since construction. Metal kitchen cabinets have outlived their useful life, kitchen has insufficient work space. Bathroom has dated fixtures, tile, and no vanity. The laundry area is located in the garage and lacks shelves or cabinets. Front entry is not sheltered from the elements. There are no ground-fault circuit interrupters in kitchen or exterior; inadequate number of electrical receptacles in the unit; overhead electrical service is fed from pole-mounted transformer; smoke detectors are lacking. Units lack attic vents, gutters, landscaping, trash enclosure and adequate storage. IMPACT IF NOT PROVIDED: Units will continue to deteriorate, increasing maintenance and repair costs. Quality of life for Air Force members and their families will continue to be inadequate having an adverse impact on morale and work productivity. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. WORK PROGRAMMED FOR NEXT THREE YEARS: None. ADDITIONAL: The replacement costs of these units averages \$86,900 per

1. COMPONENT	2. DATE
FY 1995 MILITARY CONST	RUCTION PROJECT DATA
AIR FORCE (computer g	enerated)
3. INSTALLATION AND LOCATION	
ALTUS AIR FORCE BASE, OKLAHOMA	
4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVE CAPEHART HOUSING	AGGN934013

unit. The initial cost for this improvement project is 62% of the initial replacement cost. This project will provide adequate housing for another 30 years without additional major investments other than routine and cyclical repairs. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project.

Page No

2. DATE 1. COMPONENT FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, IMPROVE CAPEHART HOUSING SOUTH CAROLINA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) DKFX914036 4,871 8.87.42 711-111 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM 88 51,181 IMPROVE CAPEHART HOUSING, PHASE 4 UN 4,504 4,504 SUBTOTAL CONTINGENCY (5%) 225 4,729 TOTAL CONTRACT COST 142 SUPERVISION, INSPECTION AND OVERHEAD (3%) 4,871 TOTAL REQUEST MOST EXPENSIVE UNIT \$65,290 AREA COST FACTOR 0.91

10. Description of Proposed Construction: Improve 88 Capehart units. Add family rooms and baths, modify laundry room, construct trash screens, renovate kitchens and bathrooms; upgrade utilities, replace windows, roofs, lights, closet doors, flooring, heating, ventilating, and air conditioning systems. Install insulation, reconfigure interiors and remove lead based paint.

11. PROJECT: Improve 88 Capehart housing units.

REQUIREMENT: To provide adequate quarters for military members and their families assigned to Charleston AFB. Improvements will prolong the useful life of these older, less modern units by enhancing livability and reducing operating costs. This is the fourth phase of an 11 phase project. This project conforms to "whole house" standards and is programmed in accordance with the Charleston Air Force Base Housing

CURRENT SITUATION: These units were constructed in 1960 and have received no major renovation, other than routine maintenance and repairs, since construction. Interior reconfiguration is required for better space utilization and to provide additional space for family rooms. Original kitchen and bath fixtures require replacement. Building systems including windows, light fixtures ceilings and walls cause high loss of energy due inefficient designs of the early 1960's, deterioration due to age, and lack of insulation. Morale and quality of life for military members and their families is adversley affected due to the substandard housing units. IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be inadequately housed. Morale and retention of quality personnel could be seriously affected. High maintenance and utility costs will continue and escalate without these improvements.

1. COMPONENT  FY 1995 MILITARY CONSTRUCTION PROJECT DA	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION  CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	
4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVE CAPEHART HOUSING	DKFX914036

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project.

1. COMPONENT	FY 1995 MILITARY CON	STRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer	generated)	
3. INSTALLATION A CHARLESTON AIR FO SOUTH CAROLINA		4. PROJECT TITLE IMPROVE GENERAL OFF QUARTERS	FICER
5. PROGRAM ELEME	NT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PROJ	JECT COST(\$000)
8.87.42	711-111	DKFX954036C1	100

COCT PETTHATES

		9. COST ESTIM	ATES			
					UNIT	COST
	ITEM		U/M	QUANTITY	COST	(\$000)
IMPROVE GENERA	L OFFICER QU	UARTERS	UN	1	86,000	86
SUPPORTING FAC	ILITIES					6
ASBESTOS REM	IOVAL		LS			(3)
LEAD PAINT A	BATEMENT		LS			(3)
SUBTOTAL					Ī	92
CONTINGENCY (5	*)					5
TOTAL CONTRACT	COST					97
SUPERVISION, I	NSPECTION AN	ND OVERHEAD (3%)				3
TOTAL REQUEST					ľ	$\frac{3}{100}$
_			ļ			
				]		
MOST EXPENSIVE	UNIT	\$100,000				
AREA COST FACT		0.91	} }	]		
		od Construction.		o one Con	2721 055	1-0-

- 10. Description of Proposed Construction: Improve one General Officer Quarters. Renovate kitchen and bathrooms, upgrade electrical and mechanical systems, replace windows and doors, replace wood siding and roof, install patio and exterior lighting, landscape. Increase size of bedrooms, kitchen/breakfast area, dining room, and laundry room to net allowable square footage. Remove asbestos and abate lead paint.
- PROJECT: Improve 1 Capehart General Officer Unit.

REQUIREMENT: Provide adequate quarters for a general officer and family meeeting "whole house" standards.

CURRENT SITUATION: Implementation of the Air Force Objective Wing concept created a new general officer position at this base and a general officer is now assigned as the Wing Commander. The existing unit has received no major renovation or upgrades since its construction in 1957. The roof is in poor condition, the kitchen has old, outdated cabinets and poor quality sheet vinyl flooring. The furnace, water heaters and plumbing fixtures are at the end of their useful life. Electrical receptacles are not grounded and the bathrooms lack receptacles. Windows require replacement. Wood siding, fascia and trim, contribute to maintenance and mildew problems. Laundry area is in the kitchen. Net square footage is less thanauthorized amount.

IMPACT IF NOT PROVIDED: Unit will continue to deteriorate, exacerbating maintenance and repair costs. Quality of life for the General Officer and family will not be commensurate with position and rank.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY92 Landscape \$5.1K; FY93

Install Carpet \$4.8K; FY94 Replace Doors \$11.8K

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: Project is programmed in accordance with the Housing

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
	ON AND LOCATION  R FORCE BASE, SOUTH CAROLINA	
4. PROJECT T		. PROJECT NUMBER
IMPROVE GENER	AL OFFICER QUARTERS	DKFX954036C1

Community Plan. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. The initial cost of improvement is 62.9% of replacement cost.

1. COMPONENT	F'	Y 1995 MILITARY C	ONSTRUC	TION PI	OJECT	пат	1 -	JATE
AIR FORCE	•				OUECI	DAL	<b>^</b>	
INSTALLATION	I ANI	(compute	er delle	4. PRO	TECT	TTTL		
J. INGIADDAILON		DOCATION		7	OEC1		<b>-</b>	
LAUGHLIN AIR FO			,				T HOUSIN	
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PRO.	JECT NU	IMBER	8.	PROJECT	COST (\$00
8.87.42		711-111	MVD	P947000		Ī		2 761
0.07.42		<u></u>	r estim			1	<del></del>	3,761
	_				T		UNIT	COST
		ITEM		U/P	NAUQ	TITY		(\$000)
IMPROVE CAPEHAR	T HO	USING		UN		62	56,080	
SUBTOTAL								3,47
CONTINGENCY (5%	)							174
TOTAL CONTRACT	COST	?						3,65
SUPERVISION, IN	SPE	TION AND OVERHEAD	(3%)					110
TOTAL REQUEST			• •	ŀ				3,76
_				1	1		[	
	R n of	\$72 Proposed Construction/baths, corre		_			-	ing
		de second bath as		-	•	_		plumbing
		ors/windows with	_	-	_			
=		lls, install carp	_		-			_
		s, enlarge storag				_		
-	rovi	des for improveme	ents/rep	airs t	0 62 1	famil	y housi	ng
nits. EOUIDEMENT: P	roic	ct is required to	neomia	a ada-	112 <b>+</b> e -	m12~*	ere for	
	-	d their families	_	_		-		
_		ase construction	_					
	_	oject will provid	-					
_		comparable to the						_
-		standards and are			_			
ousing Communit								<del>-</del>
URRENT SITUATION	-		conetr	ucted	in 196	9 an	d have	nevigger
		, other than rout						
		, other than rout nd change of occu			_			
<del>-</del>		nd change of occu e reconfiguration						
	_	e reconfiguration s. Various units	_		_		-	
<del>-</del>		s. various units he replacement of		_				cisting
_		<u> </u>		-				-
	-	bing systems are	_			_		
		outside storage a		_			_	ATCU
		no cover. Existi	-					
		xisting gypsum bo				_		
dequate insulat		. Wood studs beh	THG WEI	I DOET	n ugae	. nee	u uamage	ed by
wrmited and mild	ET D	e reblaced.						

termites and must be replaced.

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
	ON AND LOCATION	•
LAUGHLIN AIR	FORCE BASE, TEXAS	
4. PROJECT TI	TLE 5.	PROJECT NUMBER
IMPROVE CAPER	ART HOUSING	MXDP947000

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in unsatisfactory conditions, affecting morale and the retention of quality personnel. The Air Force will continue to pay high maintenance and utility costs. Units will eventually become uninhabitable if not improved and maintenance will be done in a costly and piecemeal fashion.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Heating, ventilating and air conditioning systems were replaced in FY 92.

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: The replacement costs of these units vary from \$56,000 to \$97,000 per unit. The total work in this project represents a maximum of 50% of the replacement cost of an individual unit. The units, with required termite repairs, are considered structurally sound and the proposed project should provide adequate housing for at least another 20 years without additional major investments other than routine or cyclic repairs. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost effective over the life of the project. Project meets criteria established in Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT								2.	DATE
	FY	1995 MILITARY C	ONSTRUC	rion	PRO	OJECT I	ATA		
AIR FORCE			er gene	rate	1)				
3. INSTALLATIO	N AND	LOCATION		4. 1	PRO.	JECT T	TLE	3	
SHEPPARD AIR F	ORCE	BASE, TEXAS		IMPF	ROVI	E CAPE	IART	HOUSIN	G
		6. CATEGORY CODE	7. PRO	JECT	NU	ABER 8	3. P	ROJECT	COST (\$000
8.87.42		211. 111	VNV	20200	122				2 122
0.07.42	1	711-111	T ESTIM		123				2,122
-		7. COS	I ESTIM	TIES				UNIT	COST
		ITEM		l t	1/M	QUANTI	TY	COST	(\$000)
MPROVE CAPEHA	RT HO			<del>-  `</del>	/				1,945
TYPE 2 UNITS				U	JN	5	2	37,400	
UPPORTING FAC				ł					17
LEAD PAINT R	EMOVA	L/DISPOSAL		U	IN	5	2	320	(17
UBTOTAL					ſ		- 1		1,962
CONTINGENCY (5	<b>%</b> )				1				98
OTAL CONTRACT							-		2,060
· ·	NSPEC	TION AND OVERHEAD	D (3%)	- 1	- 1		- 1		62
OTAL REQUEST									2,122
							- 1		
					- 1				
							- 1		
							- 1		
OST EXPENSIVE	UNIT	\$54	4,600				1		
REA COST FACTO	OR	•	0.94		ł				
O. Description	on of	Proposed Constru	etion.	Imn	TOV	9 52 C	ane	hart un	+ 0

- 10. Description of Proposed Construction: Improve 52 Capehart units. Renovate kitchens/baths, upgrade electrical/plumbing/mechanical systems, enlarge master bedroom closets, provide patios and storage sheds, correct floor plan/unit layout deficiencies, provide family rooms, upgrade/paint interiors, and landscape as required.
- 11. PROJECT: Improve 52 Capehart housing units.

REQUIREMENT: Provide adequate quarters for military members and their families assigned to Sheppard Air Force Base. This project is the third phase of a four-phase construction program to renovate a total of 489 Capehart units. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: These units were constructed in 1960 and have received no major renovation, other than routine work and change of occupancy maintenance, since construction. These units do not meet the needs of taday's families, nor do they provide a modern, comfortable, and safe home living environment. The kitchens require reconfiguration to provide adequate storage, cabinet, and countertop areas. Bathrooms require the replacement of all original fixtures and gas heaters. The existing lighting is inadequate and not energy efficient, while the receptacles in the kitchens and bathrooms do not provide ground fault protection. Units have insufficient outside storage forcing occupants to store hazardous materials and equipment inside the quarters. Building systems such as plumbing, electrical, and mechanical systems require excessive maintenance and repair due to deterioration by age.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in unsatisfactory conditions, affecting morale and retention of quality personnel. Maintenance and repairs of the units will

3. INSTALLATION AND LOCATION SHEPPARD AIR FORCE BASE, TEXAS	1. COMPONENT FY	? 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. D	ATE
			, <b>.</b>	

continue in a costly and piecemeal fashion. Energy costs will continue to rise due to the infficient and antiquated building systems. Housing will continue to be occupied until it becomes uninhabitable.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None

IMPROVE CAPEHART HOUSING

ADDITIONAL: The replacement cost of these units is approximately \$80,500 per unit. The initial cost of this improvement project is 46 percent of the replacement cost. The proposed project will provide adequate housing for at least 20 years without additional investments. Routine maintenance and energy costs will be significantly decreased while quality of life and morale is significantly increased. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

VNVP920023

1. COMPONENT 2. DATE FY 1995 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE WOOMERA AIR STATION, AUSTRALIA IMPROVE FAMILY HOUSING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) ZGTT954002 8.87.42 711-143 9. COST ESTIMATES UNIT COST COST ITEM U/M QUANTITY (\$000) IMPROVE FAMILY HOUSING 55,000 330 45 SUPPORTING FACILITIES (15) LS UTILITIES LS (21) **PAVEMENTS** LS SITE IMPROVEMENTS (9) SUBTOTAL 375 CONTINGENCY (10%) 38 TOTAL CONTRACT COST 413 SUPERVISION, INSPECTION AND OVERHEAD (6.5%) 27 440 TOTAL REQUEST MOST EXPENSIVE UNIT \$92,400 AREA COST FACTOR 1.55

10. Description of Proposed Construction: Improve 6 family housing units. Renovate kitchen and baths; replace HVAC, electrical wiring and fixtures, plumbing and fixtures, doors and windows, ceilings, and weatherize with insulation; repaint interior; landscape yards and install sprinkler system. Do all appurtenant work.

11. PROJECT: Improve 6 family housing units.

REQUIREMENT: To provide adequate, modern, and safe family housing for military members and their dependents. Provide all needed repairs and improvements under one contract while the entire group of houses is vacant to reduce the cost of the work and to avoid inconveniencing an occupant and the neighbors. All units will meet "whole house" standards. CURRENT SITUATION: Original insulation is 30 years old and thermal protection is inadequate for this harsh desert environment. Original window frames are difficult to operate and are not energy efficient. The existing reverse cycle HVAC systems were designed for use in the climate of Adelaide, South Australia, not the extreme temperatures found in Woomera. During the summer months, the temperature reaches 45 deg C and below 10 deg C in the winter. These units do not provide sufficient heating of cooling. The galvanized gutter system is corroded and leaks. Storm water drainage piping is broken and clogged from the debris flowing through the rotted gutter system. Village directives call for reducing sodded areas to 150 Sq meters per housing unit. All our homes exceed this limit.

IMPACT IF NOT PROVIDED: The housing does not satisfy current Air Force Quality of Life Standards. Families are forced to live in facilities that are substandard and not consistent with the quality of today's housing construction. These units will continue to deteriorate at a rapid rate

1. COMPONENT AIR FORCE	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
	ION AND LOCATION	
WOOMERA AIR	STATION, AUSTRALIA	
4. PROJECT T	TLE 5.	PROJECT NUMBER
IMPROVE FAMI	LY HOUSING	ZGTT954002

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: Woomera is a joint defense community with the Australian

Department of Defense. Our homes are integrated into the overall housing area and do not comply with the Woomera Village housing concept. The Australian government has been replacing their modular units with perminent brick construction. Morale problems will arise if the community perceives that U. S. Military families are living in "slums". Further, substandard housing does not portray the desired image of the United

States Air Force. This project meets the criteria/scope specified in Part

II of Military Handbook 1190, "Facility Planning and Design Guide".

increasing repair and maintenance costs.

### ADVANCE PLANNING AND DESIGN

Program (In Thousands)
FY 1995 Program \$ 9,275
FY 1994 Program \$11,901

### Purpose and Scope

This program provides for preliminary studies to develop planning document for additional family housing facilities, comprehensive improvement and construction plans, and production of housing community plans (HCP); studies for site adaptation and determination of type and design of units; and working drawings, specifications, estimates, project planning reports and final design drawings of family housing construction projects. This includes the use of architectural and engineering services in connection with any family housing new or post acquisition construction program.

### Program Summary

Authorization is requested for:

- (1) Advance planning and design for future year housing programs; and
- (2) Appropriation of \$ 9,275,000 to fund this effort as outlined in the following exhibit:

1. COMPONENT									2.	DATE
1. COMPONENT	F	Y 1995 MILITA	ARY CO	ONSTRUCT	ION PR	OJECT	DATA	.	•	
AIR FORCE				er gener						
3. INSTALLATI	ON AN				4. PRO	JECT '	TITLE	<u> </u>		
					<b>FAMILY</b>	HOUS	ING A	ADVANC	Œ	
VARIOUS AIR F	ORCE	BASES			PLANNI	NMG A	ND DE	ESIGN		
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7. PROJ	ECT NU	MBER	8. E	PROJEC	T	COST(\$000)
							ł			
8.87.42		711-000		XXXX	95000P	AD	<u> </u>			9,275
		9.	cos	C ESTIMA	TES					
								UNIT		COST
		ITEM			U/M	QUAN	rity	cosi	<u> </u>	(\$000)
FAMILY HOUSIN	G ADV	ANCE PLANNING	AND							0 075
DESIGN					LS					9,275
SUBTOTAL					j	İ				9,275
TOTAL CONTRAC		r			- 1	j				9,275
TOTAL REQUEST					1	ĺ				9,275
					ł	į	i			ļ
					ĺ	İ				ŀ
					1					1
						ļ				į
					ł					{ }
					)					]
					- 1		l	l		}
						Į	Į			[ [
					B			!		1
					1	1	- 1			]
ĺ					l	1	- 1			1

10. Description of Proposed Construction: Architect-engineer services, surveys, fees, etc., in connection with advance planning and design of family housing dwelling units and properties included in or proposed for the Air Force Family Housing Account.

### 11. PROJECT:

REQUIREMENT: The funds requested are necessary to procure architectengineer services to make site and utility investigations; one time multi-phase design, and housing community plan (HCP) developments; for the preparation of design and specifications of advance plans for future year housing programs in connection with any family housing new or post acquisition construction programs.

IMPACT\_IF\_NOT\_PROVIDED: The funds requested are neccessary to support the development of the Housing Community Plans and to support the new construction and post acquisition construction programs.

OPERATIONS, UTILITIES AND MAINTENANCE (Excluding Leasing and Debt)

Program (In Thousands)
FY 1995 Program \$688,562
FY 1994 Program \$672,625

### Purpose and Scope

- a. Operations. This portion of the program provides for operating expenses in the following sub-accounts:
- (1) Management. Includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual title service fee. Housing referral costs are also included. The housing referral program helps the two-thirds of our Air Force families that live in local communities to find housing. It implements the Fair Housing Act of 1968, and it meets the intention of the FY 1991 National Defense Authorization Act which requires housing relocation support, to include counseling on housing decision making, providing advance information on new base of assignment, and assisting through settlingin and home finding services.
- (2) Services. Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal and street cleaning.
- (3) Furnishings. Procures household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; controls furnishings inventories; maintains and repairs such items.
- (4) Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments to operate Permit Housing units occupied by Air Force personnel, and similar costs.
- b. <u>Utilit</u> as. Includes all utilities serving family housing, purchased and se produced, except telephone.
- c. <u>Maintenance</u>. Provides upkeep of family housing real property, as follows:
- (1) Maintenance/Repair of Dwellings. Service calls, routine maintenance, repairs and replacement.
  - (2) Exterior Utilities. Maintenance and repair of water,

February 1994

Page No.

sewer, electric, heat and gas lines located within family housing areas.

- (3) Other Real Progerty. Upkeep of grounds, roads, parking areas, and other property for the exclusive use of family housing not shown above.
- (4) Alteration and Additions. Minor alterations to dwellings or housing support facilities. Larger scope or higher dollar value items are funded in the construction program.

Derations and Maintenance Program Summary - Highlights
Authorization/Appropriation is requested in FY 1995 for \$688,562,000.
This amount, together with estimated reimbursements of \$11,139,000,
vill fund the FY 1995 Operations and Maintenance program of
3699,701,000.

A summary of the funding program for FY 1995 follows (\$ in thousands):

OperationsUtilMaintTtl DirectReimburse-TotalRequestRequestRequestMentProgram\$126,446\$178,472\$383,644\$688,562\$11,139\$699,701

As a result of base closures, the Air Force average housing .nventory is reduced by over three percent from FY 94 to FY 95. The oudget is reduced at a greater rate with the maintenance account obsorbing most of the reduction. The FY 95 Air Force family housing oudget requests resources necessary to adequately operate and maintain lousing and provide housing referral support. The Air Force's FY 95 oudget achieves the following:

- \* Meet obligations for payroll, leases, utilities and service ontracts.
- \* Provides an operations and maintenance budget to pay for the lost of ownership in terms of property management and day-to-day maintenance.
- \* Reduces utility consumption through maintenance projects that eep energy costs down. Overall cost is less than inflation.
- \* Performs capital maintenance projects that attack the aging ousing infrastructure in order to maintain an acceptable, safe living nvironment until the house is scheduled for whole-house upgrade or eplacement.
- \* Includes \$4.1 million for contract cleaning at overseas ocations only. The budgeted amount will allow cleaning of pproximately 17,500 units at an average per unit cost of \$235.00.

			X	EXHIBIT FH-2	WORLDWIDE
AIR FORCE FAMILY HOUSING FY 1995 BUIXET ESTIMATE	BUDGET ESTIM	ATE	W.	JCOM: all	
(Excludes Lesses)	ses)				
Inventory Data	FY94		FY95		
Units in Beginning of Year Units at End of Year Average Inventory for Year	125,859 120,825 123,342		120,825 116,997 118,911		
Funding Requirements(\$000) Total Cost	¥	Unit Cost	Total Cost	Unit Cost	
Operations (Direct)					
Management	48.073	330	0/6'9#	<b>88</b>	
Services	31,916	529	32,724	275	
Furnishings	43,035	349	42,852	98	
Miscellaneous	5.609	45	5,794	63	
SubTotal Gross Obligations	128.633	1,043	128,340	1,079	
Anticipated Reimbursements	1,793	15	768'1	\$	
Direct Obligation Operations	126,840	1,028	126,446	1,063	
Utilities - (TOA)	213,561	1.731	186,826	1,571	
Anticipated Reimbursements	8,518	83	8,354	62	
Direct Obligation Utilities	205,043	1,662	178,472	1.50	
Maintenance					
M&R Dwellings	247,482	2,006	280,951	2,363	
MSR Ext. Utilibles	41,828	339	42,200	<b>\$</b>	
IMER Other Real Property	27,865	<b>8</b> 2	26,094	219	
Alter & Add.	31,371	ž	35,230	282	
· SubTotal Gross Obligations	348,566	2,826	384,535	3,234	
Anticipated Reimbursements	769	7 2810	199 113	7 22	
Political installation (Configuration Config	<u>}</u>	2			
Grand Total, O&M - TOA	(.4/.089	2,600	100'669	5,884	
Grand Total, O&M - NOA	679,562	5,509	298,562	5,791	

Operations (\$ in Thousands)

FY 1994 Budget Estimate FY 1995 Request \$120,647 \$126,466

The FY 1995 program represents the Air Force family housing requirements and was developed using OSD/OMB approved inflation and foreign currency formulation rates. To the extent known, adjustments have been made for actual base closures and proposed overseas force structure draw downs. Requirements reflect a program which is equivalent to the FY 1994 level of effort with increases for prescribed inflation and change in inventory supported. Each program sub-account is described in detail in the following analysis.

Management. The Management account includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fee paid to the Corporation-Trust Company to provide the required corporate presence in Delaware. Housing referral costs are also included; the housing referral program assists personnel to find quarters in the private sector and implements the Fair Housing Act of 1968.

1.	FY 1994 President's Budget Request	\$44,282
2.	Program Increases: Foreign national termination costs	\$ 1,998
3.	FY 1994 Current Estimate	\$46,280
4.	Price Growth Inflation	\$ 1,050
5.	Program Decreases: Reduction of 4,431 units due to base closures and realignments; also civilian hiring freezes have reduced costs.	\$-2,25 <b>4</b>
6.	FY 1995 Budget Request	\$45,076

### Analysis of Changes in Management

The request includes increases for inflation and foreign national termination costs. The increases are offset by a decrease in units supported as a result of base closure actions and civilian hiring freezes.

<u>Services</u>. The Services account provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal; and street cleaning.

1.	FY 1994 President's Budget Request	\$28,183
2.	Program Increases: Newly levied environmental requirements.	\$ 3,733
3.	FY94 Current Estimate	\$31,916
4.	Price Growth Inflation	\$ 734
	Program Increases: Newly levied environmental regulations	\$ 1,293
5.	Program Decreases: Reduction of 4,431 units due to base realignment and closure resulting in fewer services provided.	
6.	FY 1995 Budget Request	\$32,724

### Analysis of Changes in Services

Military Family Housing activities are experiencing significant cost escalation due to the need to meet new environmental standards. New initiatives to control lead based paint, asbestos, servicing underground heating fuel storage tanks for leak detection, spill/overflow protection and corrosion control require additional resources.

This request will provide essential services for refuse collection, entomology, snow removal, and police/fire protection, etc. The per unit cost in FY 1994 of \$228.00 increases in FY 1995 to \$275.00, primarily as the result of application of newly levied environmental requirements overseas. The FY 1995 budget has been increased by the added cost of escalation in service contracts and Foreign National pay raises.

<u>Furnishings</u>. Furnishings include the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

1.	FY 1994 President's Budget Request	\$43,543
2.	Program Decreases: Reduction of inventory stock replenishment due to base closure and realignments	\$ -508
3.	FY 1994 Current Estimate	\$43,035
4.	Price Growth Inflation	\$ 990
5.	Program Decreases: Reduction of 4,431 units due to base closure and realignments	\$-1,173
6.	FY 1995 Budget Request	\$42,852

### Analysis of Changes in Furnishings

Furnishings costs are trending downward from over \$50 million per year in the late 1980's to \$42.8 million in FY 1995. Base closures and realignments from overseas have been the primary cause of these reductions. Also, the Air Force reduced the locations with limited JTR status which required extensive furnishings support.

The FY 1995 estimate reflects the "sense of Congress" for increased burden sharing. Also, planning for future force structure reductions overseas allowed the Air Force to start reducing overseas furnishing inventories. While the exact number of military families and timing of the overseas draw down is still occurring, continued support of bases which will remain open is necessary to maintain adequate backup stock of appliances and furnishings for our overseas dependent families. Also, certain furniture items will continue to be needed. Loaner sets of furniture are issued to military families overseas to let them occupy permanent quarters prior to the arrival of personally owned furniture and to let personnel stay in permanent quarters after furniture is shipped due to a change of station. Loaner sets reduce the cost of Temporary Lodging Allowance since families are not in temporary quarters drawing this allowance.

Page No. 480

### Analysis of Changes in Furnishings (cont.)

Other items of household furnishings normally built into U.S. houses which are limited or not available in foreign countries, such as wardrobes (clothes closets), kitchen cabinets or appliances, are issued to military families.

This request also includes initial issue of appliances to support newly constructed or leased housing units being added to the Air Force inventory.

This account requests funding for essential furnishings at levels consistent with cost/benefit studies and the needs of the Air Force. If support is not provided in this manner, costs are incurred in the military allowance and other support appropriations which exceed these costs.

<u>Miscellaneous</u>. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments to operate Permit Housing units occupied by Air Force personnel, and similar costs.

1.	FY 1994 President's Budget Request	\$ 4,639
2.	Program Increases: Foreign Currency Revaluation	\$ 970
3.	FY 1994 Current Estimate	\$ 5,609
4.	Price Growth	\$ 185
5.	FY 1995 Budget Request	\$ 5,794

### Analysis of Changes in Miscellaneous

Request provides for a slight increase in the price of accommodation charges for occupancy of units owned by the United Kingdom. Also, the costs of units supported in Australia are subject to foreign currency gains or losses which are not covered in the FCF account. These accommodation costs are incurred in accordance with requirements in host country agreements and are budgeted as "must pay" expenses.

<u>Utilities.</u> This project provides for all utilities consumed in government-owned military family housing. Included is electricity, heating, water, sewage and waste systems. MFH facilities consume approximately one-fifth of Air Force facility energy usage; therefore, MFH residents and management share a significant role in the achievement of Air Force energy reduction goals. Since MFH occupants are not billed for their energy consumption, conservation motivation must be rooted in other than financial incentives. The single most effective incentive is command emphasis. Energy projects to install set back thermostats, water heater jacket insulation and insulation of crawl and attic spaces have had good results toward the attainment of Air Force energy conservation goals. The Air Force's long term goal is to reach a 20 percent reduction in MFH facility energy consumption using FY 85 as a base year, by the year 2000. This is in line with the DoD goal.

1.	FY 1994 President's Budget Request	\$211,036
2.	Program Decreases Increased burden sharing from Government of Japan	n\$ -5,993
3.	FY 1994 Current Estimate	\$205,043
4.	Price Growth	\$ 4,716
5.	Program Decreases Reduction of 4,431 units as a result of Base Closure and Realignment	\$ -4,652
	Increased burden sharing from Government of Japan	n\$ -7,867
	Cost adjustment to overseas requirements	\$-15,000
	Energy consumption savings	\$ -3,768
6.	FY 1995 Budget Request	\$178,472

Analysis of Changes in Utilities
The requirement for FY 1995 is based on historical obligation trends which continue to be influenced by mild weather and energy conservation savings resulting from whole house improvements and energy conservation projects.

### MILITARY FAMILY HOUSING FY 1995 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES Exhibit OP-5

### Analysis of Changes in Utilities (cont.)

We have also received the benefits of a country to country agreement with Japan which shifts some of the utility costs on Japanese bases to the Government of Japan. The reduced Air Force costs are being phased in during FYs 1993, 1994 and 1995.

The funding stream depicted in the following table is consistent with the Air Force goals of reducing energy consumption and costs.

### UTILITIES

ENERGY CONSUMPTION	FY 93	FY 94	FY 95
Electricity (MWH)	1,859,857	1,796,999	1,764,502
Fuel Oil (Bbls)	401,013	395,922	393,310
Natural Gas (KCF)	6,807,387	6,469,249	6,393,356
Coal (MBTUs)	486,671	391,671	359,726
Purchased Steam (MBTUs)	582,316	580,445	580,421

The Budget request for utilities in FY 1995 includes the costs of electricity, coal, gas, fuel oil, water and sewage treatment. Overall, utility rates are stabilizing. Continued conservation efforts are reducing consumption and costs. The primary reason for cost growth is due to inflation and foreign currency losses which is offset somewhat by continued emphasis on conservation of utilities.

<u>Maintenance.</u> Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs. Provides upkeep of family housing real property.

1.	FY 1994 President's Budget Request	\$403,942
2.	Congressional General Reduction	-\$ 63,000
3.	Program Increases:	
	For backlog reduction	\$ 6,727
4.	FY 1994 Current Estimate	\$347,669
5.	Price Growth	\$ 9,734
6.	Program Decreases: Reduction of 4,431 units as a result of base closure and realignment	\$-14,316
7.	Program Increases: Increase to program to Reduce Backlog	<b>\$ 40,5</b> 57
8.	FY 1995 Budget Request	\$383,644

Analysis of Changes in Maintenance Program
FY 1995 maintenance request will only provide a small reduction in our continuing backlog of maintenance and repair. Previously limited maintenance funding and a high occupant turnover has accelerated deterioration of the Air Force's aging housing inventory. Continued emphasis on maintenance and repair of dwelling is essential to assure availability of quarters for occupancy. Limited funding in prior years has resulted in temporary fixes while more permanent initiatives are slipped. Deferring such work has exacerbated the rate of deterioration in our inventory.

The recent exception to the limited maintenance funding was FY 1993. Unexpected savings from the overseas lease program and from the increased burden sharing agreements for utility costs at Japanese bases provided a source of funds to reprogram for dire maintenance requirements. Therefore in FY 1993 the Air Force was able to make a significant reduction in the maintenance backlog. With a level of funding equivalent to FY 1993 the problems of deterioration of the

Page No. 485

aging housing inventory can be stopped. The primary cause for the deterioration is a lack of funding for deferred maintenance and repair (DMAR). As indicated in the following table, the FY 1994 Congressional reduction resulted in DMAR growing by \$140 million.

The FY 1995 funding obtained does not address long term DMAR problems. A lack of support for DMAR exacerbates the problems in the future.

### Backlog of Deferred Maintenance

Consistent with Congressional concerns, the Air Force is actively pursuing means to reduce the backlog of maintenance and repair. The Air Force's present goal is to within the next 10 years reduce end of year backlog to one year's normal recurring maintenance.

Our emphasis on whole house revitalization, via the investment program helped control the burden on our maintenance account. The investment program consists of approximately 68 percent maintenance and repair type work. Of this, approximately 60 percent applies to DMAR. As shown in the table below, when the limited available maintenance funds are combined with efforts in the investment program, the growth in DMAR is slowed. The closure of our bases has reduced much of the backlog.

The following chart illustrates the Backlog of Deferred Maintenance (In Then Year \$M\$).

Fiscal Year	FY 91	FY 92	FY 93	FY 94	FY 95
Backlog at Start of Year*	1,190	1,336	1,311	755	922
Closure Offset	-48	-124	-223	0	0
Annual DMAR Requirement O&M Reqmt Investment Reqmt Total Requirement	164	169	173	416 177 1,348	181
Available Financing O&M Funding 60 % of Investment Total Financing	330 94 424	100			146
Year End Backlog Backlog Reduction/ (Backlog Growth) **	1,297 (107)	1,273 63	-	895 (140)	985 (63)

- The backlog at the beginning of the year is equal to the previous year's backlog plus 3% for asset deterioration.
  - In FY 1994, the program decrease over the FY 93 year end accounts for good bids in FY93, BRAC III DMAR that is no longer required, and updated field validation of FY 1994 requirements.
- \*\* To zero the DMAR growth would require \$28 million in O&M and \$35 million in investment.

### FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Services to report any expenditures from the maintenance account which will exceed \$15,000 per unit.

### UNITED STATES

Location	No. Units	Age of Units	Per Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)
CALIFORNIA							
Vandenberg	172	35	18.0	1,064	183,008	3,096.0	None

Narrative: Phase II of an ongoing major repair effort. This project replaces overhead galvanized water pipes that are corroded and leaking, ruining sheet rock walls/ceilings and light fixtures. The water pipes are full of sediment and flow is severely restricted. In some cases, hot water travels so slowly it is luke warm by the time it reaches the bathroom. The electrical system is a two-prong dated 1960 technology system that is incompatible with today's appliance outlets causing damage to appliances and the system. The 50 AMP services need to be upgraded to safely handle the load placed on electrical systems. This project will add a grounding wire to achieve a 3-prong system. The project is a minimal requirement to provide basic safe water and electricity to the homes.

Los Angeles	4	75	46	1,654	6,616	184	None
<del></del>					4,962		None

Narrative: Replacement of undersized 75 year old garages at Ft. MacArthur. Work must meet all State Historical Preservation Office requirements. Renovation work last accomplished on units in 1982; the work did not include garages.

### ILLINOIS

Scott 41 54 28.6 1,830 75,030 1,133 None

Narrative: Replace slate shingle roofs on housing units and detached garages. Repair dormers, flashing and deteriorated wood trim. The original slate shingles are splitting/cracking and fasteners are filing, allowing shingles to release and slide off the roofs. The falling shingles create a safety hazard, especially around the entrance.

### COLORADO

Academy 1 58 40.0 1,517 1,517 40 None

Narrative: This project is to repair and perform minor alterations on an indigenous unit to include replacing the roof, entry doors, kitchen cabinets, bathroom tile and windows, and correct plumbing and electrical deficiencies. This project is the most economical way to bring the unit up to standards without doing whole-house upgrade which given the age, style and configuration of the unit, is not economically justifiable.

### FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

cation	No. Units	Age of Units	Per Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)
ERSEAS							
<u>AM</u>							
derson	200	34	32	1,150	230,000	6,400	None

rrative: A multiphased project that will replace severely deteriorated elastomeric foam ofs with built up roofs.

### REA

<u>an</u> 8 18 29 1,700 13,600 232 None

rrative: Repair/replace existing built-up roofs and related work such as gutters, flashings
d downspouts.

### PAN

dena	56	17	34	1,476	82,656	1,904	793
	110	30	23	1,240	136,400	2,530	2,330
	68	19	52	1.240	84.320	3.536	1.540

rrative: Replace interior water piping, heating and cooling system, domestic hot water stem, bathroom fixtures, wall coverings, title and trim, suspended ceiling, kitchen cabinets; tigate radon, replace electrical system, replace exterior drain pipe brackets and replace netian blinds. Galvanized iron piping has developed numerous leaks and clogging due to rrosion. Bathrooms and kitchens require renovation due to rusted fixtures, bathtubs, sinks, teriorated cabinets, and walls/trim. All work needs to be done in full to avoid unnecessary redundant costs and to limit disruptions to occupants.

kota	16	30	30	1,950	31,200	480	232
	24	19	35	1,476	35,424	840	None

rrative: Repair kitchens including replacement of exterior glass sliding door, entrance ors, storm windows and repair bathrooms including fixtures, cabinets, counters, exhausts and ghts.

### FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

### OVERSEAS (CONTINUED)

Location	No. Units	Age of Units	Per Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)
GERMANY							
Ramstein	44 58	39 38	43 59	1,609 1,888	70,800 109,554	1,877 3,413	183 324
	72	38	48	1,700	122,432	3,478	None

Narrative: Repair of unsafe frayed electric system with 3-wire grounded system, fixtures, outlets and electric panels. Replacement of kitchen cabinets, counter tops, sinks, and faucets; bathroom fixtures, commodes, showers and vanities. Kitchen and bathrooms are deteriorated beyond minimum standards. Work also includes repair/replacement of floor/wall tiles and plastering painting the interior walls. The roofs also require repair.

Bitburg 48 38 96.5 1,218 58,464 4,615 None

Narrative: Work includes interior repair/maintenance for 48 units. The project will replace electric distribution, mechanical and ventilation system, and the heating, water and sewage systems. Repair the kitchens, bedrooms, living rooms, balconies, hallways and stair wells. The repair in these rooms includes floors, walls, ceilings, wall tiles, roof and lightning protection. This housing will continue in use to support nearby Spangdahlem AB which is to remain in operation.

### **AZORES**

Lajes 40 41 40.5 1,190 1,190 1,605 29

Narrative Replace heating/ventilation systems. Repair interior walls and ceilings. Replace rotted window frames/and studs, floor coverings, interior door hardware, and trash and storage sheds. Upgrade/repair electrical system and bathrooms. Install new exterior doors and hardware. Replace hot water heaters. Install wall sound proofing.

### GENERAL OFFICER QUARTERS (Exceeding \$25K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Service to report any expenditures from the maintenance of General Officer Quarters that will exceed \$25,000 per unit.

Location	Qtrs ID	Size NSF	Age of Unit	Ops <u>Ttl</u>	Util <u>Ttl</u>	Main <u>Ttl</u>	Ttl O&M	High Cost	Improvements Non-Routine (\$K FY89-93)
CALIFORNIA									
Los Angele	<u>s</u> 1 2 11A	2,561 2,146 1,723	75 75 75	2.00 2.00 1.70	2.6 2.5 2.2	58 57 38	62.6 61.5 41.9	62.6 61.5 41.9	69.9 49.6 48.0

Narrative Demolish and remove existing garages, concrete slabs, underground utilities, and existing power. Grade existing area for drainage, place a new concrete slab and, construct garages.

### DISTRICT OF COLUMBIA

Bolling	22-27	2,421	60	37.2	43.5 791.4	921.5	144.3	None
	28-32	2,421	60	29.5	35.6 247.0	312.1	63.5	None

Narrative: Repair roofs and windows, and sun porches on GOQ's. The existing roofs and windows are deteriorated due to age and condition. Without repair, the roofs will continue to leak resulting in structural and interior damage to the quarters and occupants personal property. The windows have outlived their useful life, and are energy inefficient. The repairs are necessary to reduce heating and cooling costs. Repair sun porches by replacing deteriorating floors, and exterior walls.

### ILLINOIS

Scott	153E	2,234	54	. 5	4	38.6	43.1	43.1	47
	153W	2,234	54	.5	4	38.6	43.1	43.1	29
	154N	2,234	54	.5	4	38.6	43.1	43.1	32
	154S	2,234	54	.5	4	38.6	43.1	43.1	37
	156N	2,234	54	.5	4	38.6	43.1	43.1	31
	156S	2,234	54	.5	4	38.6	43.1	43.1	31
	158N	2,234	54	.5	4	38.6	43.1	43.1	30
	158S	2,234	54	.5	4	38.6	43.1	43.1	32
	160N	2,234	54	.5	4	38.6	43.1	43.1	29
	160s	2,234	54	.5	4	38.6	43.1	43.1	31
	162E	2,234	54	6.5	4	38.6	43.1	43.1	35

### GENERAL OFFICER QUARTERS (Exceeding \$25K Threshold)

Location	Qtrs ID	Size NSF	Age of Unit	Ops Ttl	Util Ttl	Main <u>Ttl</u>	Ttl O&M	High Cost	Improvements Non-Routine (\$K FY89-93)
Scott (Con	t'd)								
	162W	2,234	54	6.5	4	38.6	43.1	43.1	32
	200	2,676	54	6.5	4.2	39.1	49.8	49.8	62
	201	2,253	54	.5	4.2	39.1	49.8	49.8	41
	227	2,879	54	6.5	5	43.7	55.2	55.2	53
	229	2,879	54	6.5	5	43.7	55.2	55.2	53
	231	2,879	54	6.5	5	43.7	55.2	55.2	55

Narrative: Replace slate shingle roofs on housing units and detached garages. Repair dormers, flashing and deteriorated wood trim. The original slate shingles are splitting/cracking and fasteners are failing, allowing shingles to release and slide off the roofs. The falling shingles create a safety hazard

### **OVERSEAS**

### KOREA

Osan	437A	1,864	18	1.1	45	49.3	49.3	6
	1065A	1,700	18	3.2	45	52.0	52.0	23

Narrative: Repair/replace existing built-up roof and other related work such as gutters, flashings and downspouts.

Reimbursement. Includes collections received from rental of Air Force family housing to foreign nationals, civilian and other personnel. Included in the estimate is the anticipated reimbursements due to members who separate voluntarily that are authorized to live in government quarters for up to six months after separation.

1.	FY 1994 President's Budget Request	\$ 9,397
2.	Program Increases Military Personnel to stay in MFH past their authorized termination date	\$ 1,811
3.	FY 1994 Current Estimate	\$11,208
4.	Price Growth Inflation	\$ 258
5.	Program Decreases Fewer units to support	\$ -327
6.	FY 1995 Budget Request	\$11,139

Leasing. Provides payment for the costs incurred in leasing housing units used for assignment as public quarters. The family housing leasing program provides housing at both domestic and foreign locations when the local economy cannot provide adequate support and the deficit of on-base housing also does not satisfy requirements. The leasing program is authorized by 10 U.S.C. 2828 and provides for payment of rent and operations and maintenance costs of privately owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities and refuse collection when these services are not part of the contract agreement.

The Air Force continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets and on-base housing cannot meet requirements and cost effective alternatives do not exist, short and long-term leases are u. \_d. In high cost areas and overseas, the Air Force relies extensively on the leasing program to obtain housing to meet critical housing needs.

1.	FY 1994 President's Budget Request	\$118,266
2.	Program Increases: Lease Operating Costs at Comiso AB Italy	7,135
3.	Program Decreases: Accelerated overseas base closures resulting in programmed leases not materializing	\$ -6,927
4.	Savings in Terminations Costs to Fund Comiso	\$ -7,135
5.	FY 1994 Current Estimate	\$111,339
6.	Price Growth Inflation	\$ 2,556
7.	Program Decreases: Overseas Lease reduction impacted by base closure and realignment	e\$ -1,138
8.	FY 1995 Budget Request	\$112,757

### Leasing Analysis (cont.)

Authorization is requested for appropriation of \$112,757,000 to fund leases and related expenses in FY 1995. The FY 1995 request for family housing leasing points is summarized as follows:

- (1) 9,201 Foreign lease points
- (2) 5,800 Section 801 lease points
- (3) 3,333 Domestic lease points

### Foreign Leasing

Leasing in foreign countries is controlled by Congress. First by the number of lease points authorized, then by the review and approval of contract proposals, and finally by the funds appropriated. As overseas base closures occur, foreign leases are terminated as soon as economically possible. The Air Force is using less than one-half of the authorized foreign lease points. Air Force strategy during the drawdown in Europe is to maximize the use of government-controlled assets thereby providing more affordable housing for our personnel. The Air Force has been able to retain some housing areas from closing bases for use at bases that are remaining. Infact, the percentage of personnel able to reside on base will go up. We have increased assets at Aviano to support mission requirements. At Incirlik, the increase is to provide secure housing for off-base personnel

As the Air Force draws down in Europe, the order of the release of housing assets is placed, where possible, as (1) private rentals (which are usually the most expensive), (2) GRHP and build-to-lease units, and (3) government owned. The exact mix of types of housing will depend upon available assets in each locality. Renewals for leases will be on a year-to year basis to reduce cost by limiting termination liability. Full authorization is required to allow for sufficient flexibility during restructuring to maximize cost effective solutions.

### Leasing Analysis (cont.)

The lease at Comiso Italy is a special case where repeated efforts by the Air Force to achieve a cost effective solution for termination of the lease have not yet been successful. Therefore, another annual lease payment of \$7.3 million is required even though a buy-out of the lease for \$14.2 million would be the most cost effective long-term solution by saving the U.S. \$6.2 million over the life to the contract.

### Section 801 Leasing

This program is helping to reduce our CONUS family housing deficit at sites where Air Force families are seriously affected by housing shortages and high costs.

In FY 1984, Congress authorized testing a new leasing program for U.S. installations in P.L. 98-115, Section 801. Subsequently, nine housing projects were completed and occupied: Eielson AFB, AK, 300 units; Hanscom AFB, MA, 163 units; Goodfellow AFB, TX, 200 units; March AFB, CA, 200 units; Travis AFB, CA, 300 units; Ellsworth AFB, SD, 200 units and 828 units; and Hurlburt AFB, FL, 300 units, Cannon AFB, NM, 350 units; and Eielson AFB, AK, 120 units. The remaining 246 units of the Eielson AFB project will be occupied in FY 1995 upon completion. In addition, as part of a combined project with the Naval District of Washington, 414 units each for Andrews AFB and Bolling AFB are scheduled for full occupancy by the 4th quarter of FY 1995.

For 1995 the occupancy of the Eielson and Andrews leases will increase funding requirements. After Andrews is fully occupied the 801 leasing requirements stabilize.

### Domestic Leasing

Domestic leasing provides temporary housing for Air Force families pending availability of permanent housing. For example, Onizuka's Domestic leasing project has provided interim relief for service families assigned to the San Francisco area pending transfer of Moffett NAS housing to the Air Force. This has been an excellent transition procedure to support families in a high cost area while preparing for long term solutions with the transfer of Moffet housing to the Air Force.

### Leasing Analysis (cont.)

Congress has authorized leasing of domestic units (10 U.S.C. 2828) on a temporary basis to satisfy critical requirements until a permanent solution can be found or if more economical than construction. In FY 1994, the Air Force plans to begin termination of all domestic leases at Onizuka AFB, CA. All leases at Onizuka should be terminated by the 1st quarter of FY 1995. The Air Force will use the cost savings to operate and maintain housing at Moffett NAS, predominately for Air Force personnel. The Air Force requests an extension of 60 domestic leases for Air Force personnel at Los Angeles AFB; 20 domestic leases for Armed Forces Radio and Television Services personnel at Los Angeles CA; a continuation of 30 leases at Harrison, AR; and an extension of 70 domestic leases at Moody AFB, GA and 142 domestic leases at Shaw AFB, SC.

Page No. 497

### FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE ANALYSIS OF LEASED UNITS (Other than Section 801) FY 1985

LOCATION		FY 93			FY 94			FY 95	
(OAC)	UNITS AUTH	LEASE MONTHS	COST (\$000)	UNITS AUTH	LEASE MONTHS	COST (\$000)	UNITS AUTH	LEASE MONTHS	COST (\$000)
DOMESTIC LEASES									
Onizuka, CA (83)	125	1,500	\$1,028	67	804	\$942	0	٥	\$(
Holbrook, AZ (78)	12	144	\$137	25	300	\$288	ŏ	ŏ	ŝ
Harrison, AR (78)	0	0	o	30	360	\$346	30	360	\$346
Los Angeles, CA (47)	60	720	\$728	<b>80</b>	720	\$748	80	720	\$770
Los Angeles, CA/AFRTS (47)	10	120	\$120	20	240	\$240	20	240	\$240
Moody AFB. GE (78)	300	3,600	\$864	72	864	\$864	70	840	\$847
Shaw AFB, SC (78)	250	3,000	\$1,704	142	1,704	\$1,704	142	1,704	\$1,704
Unassigned	2,576	0,000	V.,	2,917	1,704	<b>V</b> 1,,, <b>V</b> 1	3,011	1,704	<b>4</b> 1,7 <b>6</b> -
TOTAL DOMESTIC LEASES	3,333	9,084	\$4,581	3,333	4,992	\$5,132	3,333	3,864	\$3,907
OREIGN LEASES									
Copenhagen (83)		48	\$50		ا م	[		أمد	•••
Seychelles (83)	2	24	\$12	2	48 24	\$80 \$27		48 24	\$80
Ascension (83)	1	12	\$17	1	12		2		\$27
Salpan (83)		12	\$14			\$17	11	12	\$17
Alconbury (80)	250	3,000	\$2.960	~~	12	\$14	2	12	\$14
Ankara (60)	100	1,200	\$2,256	250	3,000	\$3,134	250	1,900	\$1,894
Aviano (80)	129	1,548		40	480	\$817	20	240	\$344
Bentwaters (80)			\$1,545	554	6,648	\$6,448	829	7,365	\$7,858
	778	9,336	\$5,004	293	3,516	\$3,983	293	3,516	\$4,002
Comiso (80)	460	5,520	\$6,968	460	5,520	\$7,135	460	5,520	**[\$7299]
Geilenkirchen (80)	~~	12	\$26	11	12	\$30	1	12	\$32
Hahn (80)	300	900	\$190	0	0	\$0	0	0	\$0
Incirik (80)	40	480	\$750	110	1,320	\$2,461	110]	1,320	\$2,689
zmir (80)	9	108	\$250	9	108	\$259	9	108	\$270
alkar (80)	35	420	\$697	36	420	\$730	36	420	\$772
Zakenheath (80)	1,065	12,780	\$12,243	1,065	12,780	\$12,992	1,065	12,780	\$13,376
Oslo (80)	2	24	\$74	11	12	\$91	1	12	\$95
Paris (80)	1	12	\$36	1	12	\$37	1[	12	\$38
Ramstein (80)	690	8,280	\$7,222	519	6,228	\$6,047	519	6,228	\$6,110
Rhein Main (80)	392	6,483	\$6,483	332	3,964	\$6,934	332	1,990	\$3,430
Rome (80)	4	48	\$80	2	24	\$40	1	12	\$20
San Vito (80)	151	1,812	\$3,048	151	1,812	\$3,181	151	1,812	\$3,227
Soesterberg (80)	190	2,280	\$2,731	190	2,280	\$3,047	0	0	\$0
Spangdahlern (80)	500	6,000	\$6,216	500	6,000	\$6,629	500	6,000	\$6,843
Топејоп (80)	858	0	\$402	0	0	\$0	0	0	\$0
Upper Heyford (80)	50	600	\$888	50	600	\$966	50	600	\$995
Osan (74)	276	3,312	\$3,288	276	3,312	\$3,661	276	3,312	\$3,879
Lajes (65)	2	24	\$12	2	24	\$12	2	24	\$13
Bangkok (53)	7	84	\$129	7[	84	\$142	7	84	\$150
Classified Location (53)	3∤	36	\$100	3	36	\$103	3	36	\$108
Cairo, Egypt (51)	3	36	\$75	3	36	\$80	3	36	\$85
Nairobi, Kenya (51)	2	24	\$43	2	24	\$46	2	24	\$50
Jordan (43)		}	1	2	24	\$38	2	24	\$40
Unassigned	2,895	[	1	4,334	1		4,270	[	
Termination Costs	ļ [		1	Ì					
Ankara	- 1	Ì		ł	ì	\$3,970	ŀ	ļ	\$300
Bentwaters	{	1	1	l	- 1	1	1	}	
Soesterberg	]	j	ļ	i				ļ	
			1	j		ĺ	1	1	
Other			\$0			\$0			\$0
OTAL FOREIGN LEASES	9,201	64,455	\$63,809	9,201	58,392	\$73,151	9,201	53,483	\$56,758
RAND TOTAL FH-4	12,534	73,539	\$68,390	12,534	63,384	\$78,283	12,534	57,347	\$60,665

<sup>\*\*</sup> As a result of Congress' failure to buyout Comiso in FY94 we will have to achieve ecomomies in our leasing program to cover the cost of the \$7M lease. These costs must be absorbed within the FY95 program. If that does not prove viable we will move funds from our maintenance account.

# FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE ANALYSIS OF HIGH COST LEASED UNITS (Other than Section 801) FY 1995

LOCATION								_		
LOCATION	₹ 5 -		FY93			7			798	
	LEASES	된	HOH HOH	EST	HOH	둉	EST	₹ E	EGE	EST
	<b>P</b>	COST	COST		ट०डा	ट०डा		ळ्डा	COST	
	Country	UNITS	Defined	COST	UNITS	Defined	COST	UNITS	Defined	ट्ठा
DOMESTICIEASES										
Los Appelos Ca		¥	\$	000	*	900		Ť	000	200
Onizuka, Ca		5 6	12,00 10	168,000	<u>s</u> &	3 2 2 2	185,000	2 2	3 2	
None Over \$14K per Year		0	1,000	200	0	1,000		0	14,000	
Sub-Total Domestic	227	140		1,933,000	140		1,936,000	2		1,136,000
FOREIGN LEASES										
*Gellenkirchen, Germany	1,368	-	25,590	28,000	_	26,076	30,000	_	28,078	32,000
*izmir, Turkey	139	-	2,968	52,900	-	2,968	55,000	_	2,968	57,200
*Izmir, Turkey	139	-	2,968	50,500	_	2,968	52,500	-	2,968	2,600
*izmir, Turkey	139	_	2,968	23,200	-	2,968	24,100	-	2,968	25,050
*izmir, Turkey	8	_	2,968	21,400	-	2,968	22,250	_	2,968	22,150
*Izmir, Turkey	138	-	2,968	20,400	-	2,968	21,200	_	2,968	22,050
*Izmir, Turkey	139	=	2,968	20,300	-	2,968	21,180	-	2,968	21,950
*izmir, Turkey	8	-	2,968	20,200	-	2,968	21,000	_	2,968	21,900
*Izmir, Turkey	139	_	2,968	20,100	-	2,968	20,900	-	2,968	21,750
*Izmir, Turkey	138	_	2,968	20,500	•	2,968	21,300	-	2,968	22,150
*Oslo, Norway	_	_	22,685	63,200	_	23,987	83,300	-	23,987	93,600
***Parts, France	_	Š	Š	35,500	Š	Ş	36,900	ş	ş	38,400
***Copenhagen, Denmark	₹ -	₹ Z	₹ Ž	29,200	ş	≼ Ž	35,000	ş	¥	35,000
***Egypt	<u></u>	₹ Z	₹ Ž	75,000	Š	×	90,000	ş	ž	85,000
***Kenya	8	Š	Š	43,000	ş	×	46,000	ş	¥	20,000
***Thailand	^	Š	ş	129,000	<b>≤</b>	ž	142,000	ş	¥	150,000
Classified Location	<u></u>	V/V	≼ Ž	100,000	V/N	ž	103,000	٧	ž	106,000
Sub-Total Foreign		+		750,400	11		815,550	11		006,138
GBAND TOTAL EU. 44		1	T	2 602 400			2 769 660	8	1	1 007 000
GRAND LOI AL FIN-4A		151	<b>Y/N</b>	2,003,400	151	٧/٧	2,755,550	3	Ş	000/201

The HIGH COST domestic leases range between \$12k and \$14k per year. No domestic lease exceeds \$14K per year.

<sup>\*</sup> The adjusted cost cap for overseas leases is determined by multiplying \$20k times the FY 99 exchange rate divided by the FY 95 suchange rate. Leases exceeding this cap are defined as HIGH COST and are counted against the number of high cost was allowed.

<sup>\*\*</sup> Osto lease will move to Stavanger in mid FY94

		-	SECTION	ISING, DEPARTMENT C N 801 FAMILY HOUSIN (Dollars in Thousands) FY 1995	FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE SECTION 801 FAMILY HOUSING SUMMARY (Dollars in Thousands) FY 1995	E AIR FORCE MMARY			
LOCATION	NO. OF UNITS	FY OF INITIAL AUTH	DATE OF AWARD	DATE OF FULL OCCUP	FY93 COSTS	FY94 UNITS	FY94 COSTS	FY95 UNITS	FY95 COSTS
Hanscom AFB, MA	163	FY84	SEP 85	OCT 87	\$2,701	163	\$3,074	163	\$3,225
Goodfellow AFB, TX	200	FY86	SEP 86	JAN 88	\$2,032	200	\$2,187	200	\$2,294
Andrews AFB MD	828	FY90	SEP 91	30L 95	<b>&amp;</b>	294	\$1,881	828	\$8,551
Hurlburt AFB FL	300	FY90	06 NOS	JUL 92	\$2,823	300	\$3,155	300	\$3,425
March AFB, CA	200	FY86	NOV 87	NOV 88	\$2,024	200	\$2,243	200	\$2,372
Travis AFB, CA	300	FY88	SEP 89	AUG 91	\$3,991	300	\$4,567	300	\$4,828
Eielson AFB, AK	300	FY84	JAN 85	30L 86	\$4,680	300	\$5,325	300	\$5,771
Eielson AFB, AK	996	FY91	SEP 91	SEP 95	<b>₽</b>	120	\$305	366	\$3,084
Ellsworth AFB (2), SD	828	FY88	AUG 89	16 NOC	\$8,887	828	\$10,367	828	\$11,133
Ellsworth AFB, SD	200	FY88	98 NOC	06 JOE	\$2,222	200	\$2,590	200	\$2,784
Cannon AFB, NM	350	FY88	16 NOC	AUG 93	\$3,035	320	\$3,723	350	\$4,002
SIOH Estimate/Maintenance					\$494		\$576		\$623
ANNUAL REQUIREMENT	4,035	N/A	A/A	W/A	\$32,889	3,255	\$39,983	4,035	\$52,092
Unused Lease Points	1,765				<b>S</b>	2,331	S	1,765	S,
GRAND TOTAL FH-5	5,800	N/A	N/A	N/A	\$32,889	5,586	\$39,983	5,800	\$52,092

ANDREWS SCHEDULE – 101 UNITS APR 94, 193 UNITS SEP 94, 193 UNITS MAR 95, 201 UNITS APR 95, 140 UNITS JUN 95 EIELSON SCHEDULE – 60 UNITS JUN 94, 60 UNITS SEP 94, 60 UNITS JAN 95, 60 UNITS APR 95, 60 UNITS JUN 95, 66 UNITS SEP 95

### DEBT PAYMENT

Program (in Thousands)
FY 1995 Program \$26
FY 1994 Program \$21

### Purpose and Scope

The Debt Payment program continues in FY 1995 in name only, as the last of the Capehart and Wherry mortgages were liquidated in FY 1989.

This program includes payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel prior to FY 1980. These payments continue to decline to lower levels in FY 1995.

### Program Summary

Authorization is requested for the appropriation of \$26,000 as follows:

( <u>\$ In Thousands)</u>	FY 1994 <u>ESTIMATE</u>	FY 1995 <u>ESTIMATE</u>
Servicemen's Mortgage Insurance Premiums	21	26
TOTAL OBLIGATING AUTHORITY	(TOA 21	26
Principal Payment Capehart Wherry Subtotal	0 0 0	0 0 0
TOTAL REQUIREMENTS (BUDGET AUTHORITY PLUS APPROPRIATION	N): 21	26

### Servicemen's Mortgage Insurance Premiums

Servicemen's Mortgage Insurance Premiums, Section 124, Public Law 560, 83rd Congress, The Housing Act of 1954, aids in providing homes for members of the Armed Forces of the United States and

their families through a system of FHA mortgage insurance especially designed to assist such members in financing the construction or purchase of homes.

This program was discontinued through Public Law 93-130 (Military Construction Appropriation Act, 1980) which allowed coverage only on existing mortgages covered prior to FY 1980. The amount needed to continue funding premiums on mortgages existing prior to FY 1980 continues to decrease. The program for FY 1994 and FY 1995 is as follows:

<u>Fiscal Year</u>	Number	Average Payment/YR	<u>Amount (\$000)</u>
1994	115	182	21
1995	143	182	26